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Cardiovascular abnormalities among children presenting with chest pain to a community hospital and compliance to follow-up (Kondamudi et al). 2009;54:S132 (Research Forum abstracts)

Child car seat safety knowledge among caregivers in Puerto Rico: is more education needed? (Molins et al). 2009;54:S135 (Research Forum abstracts)

Coagulopathy in pediatric copperhead snakebites (Anderson et al). 2009;54:S114 (Research Forum abstracts)

Comparison between oral versus intravenous rehydration to treat dehydration in pediatric gastroenteritis (Hartling et al); Commentary: clinical implications (Hom and Sinert). 2009; 54:117–19 (Systematic review abstract)

Comparison of traditional pediatric-age, nontraditional pediatric-age and adult-age patients with intussusception: a case series (Cochran et al). 2009;54:S31 (Research Forum abstracts)

Correlation of Pediatric Asthma Severity Score and end tidal CO_2 values with asthma severity in the pediatric population (Dhillon et al). 2009;54:S130 (Research Forum abstracts)

Corticosteroids for acute bacterial meningitis (Schulz et al); Reply (Upadhye). 2009;54:136–8 (Correspondence)

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Does a novel abscess drainage technique differ in procedural times and times to discharge from traditional incision and drainage at a Level I pediatric trauma center? (Ladde et al). 2009; 54:S42 (Research Forum abstracts)

Does inferior vena cava/aorta ratio correlate with fluid therapy in clinically dehydrated children? (Barata et al). 2009;54:S131 (Research Forum abstracts)

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Emergency department blood cultures have limited usefulness in the management of children hospitalized for community-acquired pneumonia (Davis et al). 2009;54:S41–S42 (Research Forum abstracts)

Emergency department prescriptions for long-term inhaled corticosteroids for children with asthma: are we following recommendations? (Garro et al). 2009;54:S17 (Research Forum abstracts)

Endotracheal tube cuff pressures in pediatric patients intubated prior to aeromedical transport (Tollefsen et al). 2009;54:S17–S18 (Research Forum abstracts)

Epidemiology of trampoline-related injuries in children attending the emergency department (Dhillon et al). 2009;54:S26 (Research Forum abstracts)

Evaluation of cerebral oxygenation during procedural sedation in children using near infrared spectroscopy (Padmanabhan et al). 2009;54:205–13

Evaluation of emergency medicine discharge instructions in pediatric head injury (Sarsfield et al). 2009;54:S90 (Research Forum abstracts)

Fatalities and injuries in motor vehicle backing crashes (National Highway Traffic Safety Administration); Commentary: moving forward by looking behind you (Kahn). 2009; 54:603–5 (NHTSA Notes)

How do I treat pediatric wrist fractures? (Abraham et al); Commentary: clinical implication (Sherbino). 2009;54:541–2 (Systematic review abstract)

Impact of rapid streptococcal test on antibiotic use in a pediatric emergency department (Waseem et al). 2009;54:S41 (Research Forum abstracts)

Invasive *Haemophilus influenzae* type B disease in five young children—Minnesota, 2008 (Centers for Disease Control and Prevention); Commentary (Karaelias and Takhar). 2009;54: 83–5 (CDC Update)

Joint policy statement–guidelines for care of children in the emergency department (American Academy of Pediatrics Committee on Pediatric Emergency Medicine et al). 2009; 54:543–52 (Policy statement)

Mass screening of children during a pandemic influenza drill (Fertel et al). 2009;54:S3 (Research Forum abstracts)

More discussion of over the counter cough and cold preparations (Clark et al). 2009;54:309–10 (Correspondence)

Obesity in children (Chohan and Singer). 2009; 54:S41 (Research Forum abstracts)

An observational study of cutaneous abscess management in a pediatric emergency department setting (Ramirez et al). 2009;54: S130 (Research Forum abstracts)

Optic nerve sheath ultrasound for the evaluation of children with suspected ventriculo-peritoneal shunt failure (Hall et al). 2009;54: S87–S88 (Research Forum abstracts)

Parental expectation to receive anti-tussive medications for their coughing children presenting to the emergency department: impact on satisfaction (Kondamudi et al). 2009;54:S132 (Research Forum abstracts)

The pediatric experience in the emergency department, 2000–2006 (Thode and Garra). 2009;54:S15 (Research Forum abstracts)

Perceptions and practices of fever: survey for parents with febrile child visiting pediatric emergency department (Kim et al). 2009;54: S92 (Research Forum abstracts)

Predictors of airway and respiratory adverse events with ketamine sedation in the emergency department: an individual-patient data meta-analysis of 8,282 children (Green et al). 2009;54:158–68

Predictors of emesis and recovery agitation with ketamine sedation: an individual-patient data meta-analysis of 8,282 children (Green et al). 2009;54:171–80

Procedural sedation and analgesia outcomes in children after discharge from the emergency department: ketamine versus fentanyl/midazolam (McQueen et al). 2009; 54:191–7

A prospective, randomized, double-blind, placebo-controlled trial to evaluate 4% liposomal lidocaine cream on pain and anxiety during venipuncture in pediatric patients who present to the emergency department (Boucher et al). 2009;54:S113–S114 (Research Forum abstracts)

A prospective study of cardiopulmonary resuscitation training in 7th grade students using a take-home self-instruction cardiopulmonary resuscitation kit (Faccio et al). 2009;54:S124–S125 (Research Forum abstracts)

Prospective validation and head-to-head comparison of 3 ankle rules in a pediatric population (Gravel et al). 2009;54:534–40

Psychiatric clearance in the pediatric emergency department (Waseem). 2009;54:S46 (Research Forum abstracts)

Purpura fulminans (Mishkin and Rosh). 2009; 54:155 (Images in Emergency Medicine), 180 (Images in Emergency Medicine)

A randomized clinical trial of ibuprofen versus acetaminophen with codeine for acute pediatric arm fracture pain (Drendel et al). 2009;54: 553–60

Recombinant human hyaluronidase-facilitated subcutaneous vs intravenous hydration therapy in infants and children (Hahn et al). 2009;54: S16–S17 (Research Forum abstracts)

A rise in emergency department visits of pediatric patients for renal colic from 1999–2008 (Kairam et al). 2009;54:S91 (Research Forum abstracts)

Serum lactate is not predictive of major injuries in pediatric blunt trauma (Muñiz). 2009;54: S143 (Research Forum abstracts)

The significance of peripheral white blood cell count in cases of acute otitis media in children between 2 to 17 years of age (Nibhanipudi and Hassan). 2009;54:S90 (Research Forum abstracts)

Spectrum of bacterial pathogens seen in a community pediatric emergency department (Kondamudi et al). 2009;54:S91–S92 (Research Forum abstracts)

Spontaneous pneumomediastinum: a ten-year experience (Beatty et al). 2009;54:S22–S23 (Research Forum abstracts)

Spontaneous pneumomediastinum in children: a 10-year experience (van Tonder et al). 2009; 54:S17 (Research Forum abstracts)

A statewide model program to improve emergency department readiness for pediatric care (Cichon et al). 2009;54:198–204

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Ultrasound of the inferior vena cava can assess volume status in pediatric patients (Ayvazyan et al). 2009;54:S102 (Research Forum abstracts)

Validation of a prediction rule for the

identification of children with intra-abdominal injuries after blunt torso trauma (Holmes et al). 2009;54:528–33

Child, preschool
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Citalopram, poisoning
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Cocaine
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Complementary therapies
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Conflict of interest
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Contracts
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Chest computed tomography in the emergency department for suspected pulmonary embolism: it's time to practice what we preach (Piazza and Goldhaber). 2009;54:49–52 (Editorial)
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Coronary artery disease
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The safety of emergency care systems: results of a survey of clinicians in 65 US emergency departments (Magid et al) [2009;53:715-23]. Correction 2009;54:486

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Correspondence. 2009;54:134–9, 309–14, 477–83, 636–40, 757–9, 855–9
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Costs and cost analysis
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Fatal toxicity from nucleoside reverse transcriptase inhibitor use: factors implicated with symptomatic hyperlactemia emergencies (Leung et al). 2009;54:S115 (Research Forum abstracts)
Hospitalizations of older human immunodeficiency virus patients in the United States from 2000–2006 (Tadros et al). 2009; 54:S80 (Research Forum abstracts)
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Characteristics of patients undergoing rapid HIV testing in a NYC emergency department (Egan and Lech). 2009;54:S106–S107 (Research Forum abstracts)

Emergency department–based HIV testing: too little, but not too late (Kelen and Rothman). 2009;54:65–71 (Editorial)
Emergency department patient acceptance of rapid HIV testing practices, revisited: the 2006 CDC recommendations for non-targeted, opt-out HIV screening (Prekker et al). 2009;54: S47 (Research Forum abstracts)
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Hodgkin disease
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Homosexuality
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Honey, poisoning
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Horses
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Hospice care
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Palliative emergency medicine: resuscitating comfort care? (Beemath and Zalenski). 2009; 54:103–5 (Editorial)

Hospitals, community
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Hospitals, federal
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Hospitals, military
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Hospitals, public
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Hospital units. *See also* Observation unit
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HSP27 heat-shock proteins
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Hurricane Katrina
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Hydrocodone
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Hydromorphone
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Randomized clinical trial comparing a patient-driven titration of intravenous hydromorphone with traditional physician-driven management of emergency department patients with acute severe pain (Chang et al). 2009;54:561–7
Safety and efficacy of rapid titration using 1mg doses of intravenous hydromorphone in emergency department patients with acute severe pain: the "1 + 1" protocol (Chang et al). 2009;54:221–5 (Brief research report)

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Hypersensitivity
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Hypertension. *See also* Intracranial hypertension
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Clevidipine, an intravenous dihydropyridine calcium channel blocker, is safe and effective for treatment of patients with acute severe hypertension [Journal Club answers for Barrett and Schriger, 2009;53:339-40] (Barrett and Schriger). 2009;54:301–7
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Against routine initiation of antihypertensive therapy in the emergency department (Shayne). 2009;54:792–3 (Clinical Controversies)

Hypertension, epidemiology
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Hypertension, portal
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Hyperthermia
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India
Assessing competency of the Broselow-Luten pediatric resuscitation tape: a prospective, cross sectional, analytical study of 15,000 South Indian school children (Cattamanchi et al). 2009;54:S130–S131 (Research Forum abstracts)
Epidemiology of out-of-hospital emergencies in Andhra Pradesh, India, 2007 (Mahadevan et al). 2009;54:S80 (Research Forum abstracts)
Industrial accidents: an epidemiological profile of 866 emergency admissions in a tertiary care teaching hospital, S. India (Banala et al). 2009; 54:S41 (Research Forum abstracts)
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Provider compliance with the Food and Drug Administration recommendation to avoid the use of over the counter (nonprescription) cough and cold medications in children under two years old (Goo et al). 2009;54:S42 (Research Forum abstracts)
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Infant, newborn
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Fever in children less than 60 days old: what are current cerebrospinal fluid, blood, and urine culture positive rates in the vaccination era? (Morley et al). 2009;54:S42–S43 (Research Forum abstracts)
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Influenza A virus, H1N1 subtype
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Comparison between oral versus intravenous rehydration to treat dehydration in pediatric gastroenteritis (Hartling et al); Commentary: clinical implications (Hom and Sinert). 2009; 54:117–19 (Systematic review abstract)

Heat loss from IV fluids during the administration of pre-warmed normal saline (Lyng et al). 2009;54:S24 (Research Forum abstracts)

A randomized comparison of continuous IV infusion of furosemide versus repeated IV bolus furosemide in acutely decompensated congestive heart failure (Cienki et al). 2009;54: S29–S30 (Research Forum abstracts)

Recombinant human hyaluronidase-facilitated subcutaneous vs intravenous hydration therapy in infants and children (Hahn et al). 2009;54: S16–S17 (Research Forum abstracts)

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Does insurance status make a difference in pediatric trauma patients? (Irvin et al). 2009; 54:S90–S91 (Research Forum abstracts)

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Direct observation evaluations by emergency medicine faculty do not provide unique information over that provided by summative quarterly evaluations by the same faculty (Barlas and Ryan). 2009;54:S11 (Research Forum abstracts)

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The Northwestern University rotating resident curriculum: a novel Web-based didactic program for rotating residents in the emergency department (Aldeen et al). 2009;54: S144 (Research Forum abstracts)

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Emergency medicine research and the stimulus bill: researchers scramble to claim piece of the pie (McKenna). 2009;54:26A–27A [July] (News & Perspective)
Improving coordinated responses for victims of intimate partner violence: law enforcement compliance with state-mandated intimate partner violence documentation (Edwardsen and Cerulli). 2009;54:S126 (Research Forum abstracts)
Nurse groups, administrators battle over mandatory nursing ratios: California law debated on national stage (Greene). 2009;54:31A–33A [September] (News & Perspective)
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Medical history taking
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News & Perspective
News & Perspective. 2009;54:21A–25A [November], 23A–27A [July], 23A–32A [August], 29A–33A [September], 25A–29A [October], 13A–17A [December]

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Observational studies
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contact (Arora and Menchine). 2009;54:S110 (Research Forum abstracts)
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Schools, medical. *See also* Faculty, medical; Students, medical
Med schools, training programs eschew pharma funds (McKenna). 2009;54:24A–25A [November] (News & Perspective)
When "good" is below average (Kiefer et al). 2009;54:S9 (Research Forum abstracts)
Scientific misconduct
Army orthopedic surgeon accused of fabricating data on wounded soldiers (Berger). 2009;54: 16A–17A [December] (News & Perspective)
Seat belts
Commentary: what if? (Thoma). 2009;54:837–9 (NHTSA Notes)
The increase in lives saved, injuries prevented, and cost savings if seat belt use rose to at least 90 percent in all states (National Highway Traffic Safety Administration). 2009;54:837 (NHTSA Notes)
Sedation, procedural
Don't rush to judge: drawing conclusions about treatment based on observational studies (Gorelick). 2009;54:169–70 (Editorial)
Evaluation of cerebral oxygenation during procedural sedation in children using near infrared spectroscopy (Padmanabhan et al). 2009;54:205–13
Ketamine and neurotoxicity: clinical perspectives and implications for emergency medicine (Green and Coté). 2009;54:181–90 (Concepts)
Predictors of airway and respiratory adverse events with ketamine sedation in the emergency department: an individual-patient data meta-analysis of 8,282 children (Green et al). 2009;54:158–68
Predictors of emesis and recovery agitation with ketamine sedation: an individual-patient data meta-analysis of 8,282 children (Green et al). 2009;54:171–80
Procedural sedation and analgesia outcomes in

children after discharge from the emergency department: ketamine versus fentanyl/midazolam (McQueen et al). 2009; 54:191–7

Seizures
A bacterial cocaine esterase protects against cocaine-induced epileptogenic activity and lethality (Jutkiewicz et al). 2009;54:409–20
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Self administration
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Self care. *See also* Self administration
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The effect of etomidate on hospital length of stay of patients with sepsis: a prospective, randomized study (Tekwani et al). 2009;54:S4 (Research Forum abstracts)
Fetuin protects mice against lethal sepsis by modulating bacterial endotoxin-induced HMGB1 release and autophagy (Wang et al). 2009;54:S99 (Research Forum abstracts)
Prognosis of urosepsis patients who are treated by inappropriate initial antimicrobial therapy in the emergency department (Imamura et al). 2009;54:S38–S39 (Research Forum abstracts)

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Effect of hyperlactatemia on the likelihood of in-patient mortality for patients with a normal and abnormal anion gap (Green). 2009;54:S3 (Research Forum abstracts)
The prevalence and prognostic value of hyperglycemia and APACHE II scores among adult sepsis patients in the emergency department (D'Amore et al). 2009;54:S143–S144 (Research Forum abstracts)
The significance of lactate clearance rate as a predictor of organ failure (Cho et al). 2009;54: S39 (Research Forum abstracts)
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ck, diagnosis
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Shock, hemorrhagic
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Shock, septic. *See also* Sepsis
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Development of a technology for the estimation of $ScVO_2$ in individual patients (Summers and Coleman). 2009;54:S109 (Research Forum abstracts)
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Fatal toxic shock syndrome from an intrauterine device (Klug et al). 2009;54:701–3 (Case report)

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Single-payer system
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How universal coverage could change emergency medicine, and vice versa (Millard). 2009;54: 26A–32A [August] (News & Perspective)

Skilled nursing facilities
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Skin, injuries
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Smoking
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The prevalence of tobacco and alcohol use in immigrant emergency department patients in Queens, NY (Gupta et al). 2009;54:S20 (Research Forum abstracts)

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Society of Chest Pain Centers
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Socioeconomic factors
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Poor and sick: do low-income areas have fewer emergency departments? (Ravikumar and Hsia). 2009;54:S64 (Research Forum abstracts)

Sodium bicarbonate
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(Sinert et al). 2009;54:e6–e7 [July] (Brief commentary)
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Update: prevention of contrast-induced nephropathy in the emergency department (Sinert and Doty). 2009;54:e1–e5 [July] (Critically appraised topic)

Specialties, medical
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Specialty boards
Physicians, professional organizations face specialty certification changes (McKenna). 2009;54:22A–24A [November] (News & Perspective)

Spectrophotometry
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Spectroscopy, near-infrared
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Spinal diseases, diagnosis
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The routine use of local anesthetics in pediatric lumbar punctures: are we there yet? (Gorchynski and McLaughlin). 2009;54:S129 (Research Forum abstracts)

Sports
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Injury incidence and predictors on a mass bicycle ride (Boeke and House). 2009;54:S61 (Research Forum abstracts)
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Sports medicine
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Steroids
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Streptococcal infections, diagnosis
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Should this stroke patient be transferred? Computed tomographic angiography predicts use of tertiary interventional services (Thomas et al). 2009;54:S70 (Research Forum abstracts)

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A regional system of stroke care provides thrombolytic outcomes comparable with the NINDS stroke trial (LaMonte et al). 2009;54: 319–27 (Concepts)
Thrombolysis in stroke: still not ready for community hospital use by emergency physicians (McNamara). 2009;54:339–41 (Editorial)

Structure collapse
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Students
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Bokovoy J (*see* Boucher et al). 2009;54:S113 (Research Forum abstracts)
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Bollinger R (*see* Drigalla et al). 2009;54:S138 (Research Forum abstracts)
Bolton L (*see* Suozzi et al). 2009;54:S20 (Research Forum abstracts)
Bond GR. Is the oral acetylcysteine protocol the best treatment for late-presenting acetaminophen poisoning? 2009;54:615–7 (Editorial)
Borg KT (*see* Andrews et al). 2009;54:640 (Correspondence reply)
Borges MD (*see* Lobo et al). 2009;54:S21 (Research Forum abstracts)
Borgo MJ (*see* Manivannan et al). 2009;54:S121 (Research Forum abstracts)
Borloz M (*see* Davis et al). 2009;54:S36 (Research Forum abstracts)
Borquez EA, Susim SS, Garcia UJ, Desai S, Challoner K, McClung CD. Evaluating predictors of door-to-EKG times. 2009;54:S45 (Research Forum abstracts)
Borron SW (*see* Dart et al). 2009;54:386–94 (Concepts)
Bortle CD (*see* Levitan et al). 2009;54:692–4 (Brief research report)
Borys DJ (*see* Bhakta et al). 2009;54:S19 (Research Forum abstracts)
Boucher J, Rupp V, Bokovoy J, Hamilton S, Fredericks K, Brenner S, Weaver K. A prospective, randomized, double-blind, placebo-controlled trial to evaluate 4% liposomal lidocaine cream on pain and anxiety during venipuncture in pediatric patients who present to the emergency department. 2009; 54:S113 (Research Forum abstracts)
Boulding W (*see* Glickman et al). 2009;54:S97 (Research Forum abstracts)
Bove J (*see* Birkhahn et al). 2009;54:S76 (Research Forum abstracts)
Bowman SH (*see* Roberts et al). 2009;54:S85 (Research Forum abstracts)
Boyle J (*see* Castillo et al). 2009;54:S78 (Research Forum abstracts)
Bozeman WP. Additional information on Taser safety. 2009;54:758–9 (Correspondence)
Bozeman WP, Winslow JE III, Hauda WE II. Conducted electrical weapon injuries must be more broadly considered. 2009;54:311–2 (Correspondence reply)
Bradford P (*see* Vaillancourt et al). 2009;54:663–71
Bradley K, Illuzzi F, Trowbridge R, Byun R, Castillo R, Lee K. An emergency department intervention for tobacco cessation among patients and visitors utilizing pre-health professional students as research associates. 2009;54:S135 (Research Forum abstracts)
Brady M (*see* Lobon et al). 2009;54:S6 (Research Forum abstracts)
Branas C (*see* Meisel et al). 2009;54:S78 (Research Forum abstracts)
Branas CC (*see* Carr et al). 2009;54:261–9
Branch J (*see* Imamura et al). 2009;54:S38 (Research Forum abstracts)
Branch J (*see* Umezawa et al). 2009;54:S80 (Research Forum abstracts)
Branson BM (*see* White et al). 2009;54:56–64
Brant RF (*see* Yarema et al). 2009;54:606–14
Branzetti J (*see* Aldeen et al). 2009;54:S144 (Research Forum abstracts)
Bratzler D (*see* Duseja et al). 2009;54:S65 (Research Forum abstracts)
Brennan J (*see* Agarwal et al). 2009;54:S61 (Research Forum abstracts)
Brenner J (*see* Sciorra et al). 2009;54:S47 (Research Forum abstracts)
Brenner S (*see* Boucher et al). 2009;54:S113 (Research Forum abstracts)
Brewer KL (*see* Plonk et al). 2009;54:S49 (Research Forum abstracts)
Brewer KL (*see* Sekhon et al). 2009;54:S115 (Research Forum abstracts)
Brickman K (*see* Akpunonu et al). 2009;54:S38 (Research Forum abstracts)
Brickman K (*see* Ha and Brickman). 2009;54:S125 (Research Forum abstracts)
Brieger B (*see* Abello et al). 2009;54:S97 (Research Forum abstracts)
Briggs WM (*see* Birkhahn et al). 2009;54:S118 (Research Forum abstracts)
Briggs WM (*see* Melville et al). 2009;54:S121 (Research Forum abstracts)
Briigs WM (*see* Birkhahn et al). 2009;54:S76 (Research Forum abstracts)
Brook C, Chomut A, Jeanmonod R. When the emergency department is packed can physician assistants pick up the pace? An analysis of physician assistant productivity related to patient volume. 2009;54:S5 (Research Forum abstracts)
Brooks DE (*see* Levine et al). 2009;54:S114 (Research Forum abstracts)
Brousseau DC (*see* Drendel et al). 2009;54:553–60
Brown AM, Barrett TW. Journal club: outcome measures, interim analyses, and Bayesian approaches to randomized trials. 2009;54:440–1 (Journal Club)
Brown D (*see* Capp and Brown). 2009;54:S103 (Research Forum abstracts)
Brown DF (*see* White et al). 2009;54:S74 (Research Forum abstracts)
Brown J (*see* Drigalla et al). 2009;54:S138 (Research Forum abstracts)
Brown J. Hippocrates' shadow: secrets from the house of medicine. 2009;54:484 (Book and Media Reviews)
Brown L (*see* Green et al). 2009;54:158–68; 54: 171–80
Brown MD (*see* Hlibczuk et al). 2009;54:S31 (Research Forum abstracts)
Brown MD (*see* Sinert et al). 2009;54:e6–e7 (Brief commentary)
Brown RD Jr (*see* Stead et al). 2009;54:S110 (Research Forum abstracts)
Browne BJ (*see* LaMonte et al). 2009;54:319–27 (Concepts)
Browne V (*see* Tebb). 2009;54:e18–e19 (Images in Emergency Medicine)
Brozick A (*see* Hong et al). 2009;54:S78 (Research Forum abstracts)
Brunko M (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Bruns J (*see* Moskowitz et al). 2009;54:S71 (Research Forum abstracts)
Bryce SN, Han JH, Kripalani S, Schnelle J, Storrow A, Ely EW. Cognitive impairment and comprehension of emergency department discharge instructions in older patients. 2009; 54:S80 (Research Forum abstracts)
Buchanan J (*see* Dart et al). 2009;54:386–94 (Concepts)
Buehler G (*see* Farley and Buehler). 2009;54:S9 (Research Forum abstracts)
Bui D (*see* Lipe et al). 2009;54:S57 (Research Forum abstracts)
Buising KL (*see* Cheng and Buising). 2009;54: 312–3 (Correspondence reply)
Bullard T (*see* Ladde et al). 2009;54:S84 (Research Forum abstracts)
Buller L (*see* Mace et al). 2009;54:S52 (Research Forum abstracts); 54:S53 (Research Forum abstracts)
Bullock HN (*see* McGrath et al). 2009;54:S37 (Research Forum abstracts)
Burdick E (*see* Griffey et al). 2009;54:S83 (Research Forum abstracts)
Burger C, Olson M, Dykstra D, Jones JS, Rossman L. What happens at the 72-hour mark? Physical findings in sexual assault cases when victims delay reporting. 2009;54:S93 (Research Forum abstracts)
Burkard W (*see* Klope et al). 2009;54:S46 (Research Forum abstracts)

Burke L (*see* Smulowitz et al). 2009;54:S84 (Research Forum abstracts)
Burke MC (*see* Smulowitz et al). 2009;54:S84 (Research Forum abstracts)
Burke T (*see* Kimberly et al). 2009;54:S87 (Research Forum abstracts)
Burkhalter L (*see* Black et al). 2009;54:S77 (Research Forum abstracts)
Burr MF (*see* Richerson et al). 2009;54:S4 (Research Forum abstracts)
Burstein JL. Mostly dead: can science help with disaster triage? 2009;54:431 (Editorial)
Burton J (*see* Weinstein et al). 2009;54:S23 (Research Forum abstracts)
Bush C (*see* Hawkins et al). 2009;54:S28 (Research Forum abstracts)
Butler KH (*see* Levitan et al). 2009;54:692–4 (Brief research report)
Byerly MM (*see* Morton et al). 2009;54:S123 (Research Forum abstracts)
Byun R (*see* Bradley et al). 2009;54:S135 (Research Forum abstracts)
Byyny RL (*see* Ruygrok et al). 2009;54:239–47

C

Cabrera D (*see* Lindor et al). 2009;54:S13 (Research Forum abstracts)
Cabrera D (*see* Sunga et al). 2009;54:S31 (Research Forum abstracts)
Cadigan B (*see* Damewood et al). 2009;54:S70 (Research Forum abstracts)
Caetano R (*see* Roudsari et al). 2009;54:285–93
Cain E (*see* Vaillancourt et al). 2009;54:663–71
Cairns C (*see* Glickman et al). 2009;54:S2 (Research Forum abstracts); 54:S97 (Research Forum abstracts)
Cairns CB (*see* Chandra et al). 2009;54:17–25
Cairns CB (*see* Hoekstra et al). 2009;54:779–88
Cairns CB (*see* Limkakeng et al). 2009;54:S49 (Research Forum abstracts)
Calderon Y, Cowan E, Fettig J, Hannon M, Leider J. Characteristics and risk factors of patients who refuse routine HIV testing in an urban emergency department. 2009;54:S18 (Research Forum abstracts)
Caldito G (*see* Mahler et al). 2009;54:S26 (Research Forum abstracts)
Caligiuri AC (*see* Mejia et al). 2009;54:S15 (Research Forum abstracts)
Callaham ML. Journal performance report for 2008. 2009;54:317–8 (Journal Performance Report)
Callaham ML (*see* Yealy and Callaham). 2009;54:337–8 (Brief commentary)
Callahan JM (*see* Sarsfield et al). 2009;54:S90 (Research Forum abstracts)
Callan EM (*see* Sinha et al). 2009;54:S14 (Research Forum abstracts)
Callaway CW (*see* Machi et al). 2009;54:S132 (Research Forum abstracts)
Callaway CW (*see* Rittenberger and Callaway). 2009;54:256–7 (Editorial)
Callaway CW (*see* Wang et al). 2009;54:645–52
Camargo CA (*see* Handel et al). 2009;54:S51 (Research Forum abstracts)
Camargo C Jr (*see* Talley et al). 2009;54:S102 (Research Forum abstracts)
Camargo CA Jr (*see* Carr et al). 2009;54:261–9; 54:349–59
Camargo CA Jr (*see* Delgado et al). 2009;54:S20 (Research Forum abstracts)
Camargo CA Jr (*see* Ginde et al). 2009;54:S75 (Research Forum abstracts)
Camargo CA Jr (*see* Raja et al). 2009;54:S9 (Research Forum abstracts)
Camargo CA Jr (*see* Sullivan et al). 2009;54:S19 (Research Forum abstracts)
Camargo CA Jr (*see* Tsai et al). 2009;54:S2 (Research Forum abstracts)
Camargo CA Jr, Ginde AA, Handel DA, Keadey MT, Raja AS, Rogers J, Sullivan AF, Espinola JA. A classification system for emergency departments: Massachusetts, 2008. 2009;54:S86 (Research Forum abstracts)
Campbell C (*see* Hansen et al). 2009;54:S69 (Research Forum abstracts)
Campbell CM (*see* Chang et al). 2009;54:221–5 (Brief research report); 54:638–9 (Correspondence reply)
Campbell RL (*see* Manivannan et al). 2009;54:S121 (Research Forum abstracts)
Campo C, Walsh B, Cochrane D, Allegra J. Large increase in emergency department visits for head trauma after Natasha Richardson's death. 2009;54:S48 (Research Forum abstracts)
Cannon C (*see* Holthaus et al). 2009;54:135–6 (Correspondence)
Cantor R (*see* Morley et al). 2009;54:S42 (Research Forum abstracts)
Cantrell FL (*see* Clark et al). 2009;54:309–10 (Correspondence)
Cao J (*see* Wang et al). 2009;54:e10–e15 (Brief research report)
Cao M (*see* Wang et al).2009;54:e10–e15 (Brief research report)
Capp R, Brown D. Antibiotic prescription by emergency and ICU physicians in patients admitted to the intensive care unit with the diagnosis of septic shock. 2009;54:S103 (Research Forum abstracts)
Caravati EM (*see* Dart et al).2009;54:386–94 (Concepts)
Carballo N (*see* Ladde et al). 2009;54:S42 (Research Forum abstracts)
Cardoza S (*see* Seitelman et al). 2009;54:854 (Images in Emergency Medicine)
Carey S (*see* Wong et al). 2009;54:S24 (Research Forum abstracts)
Carignan S (*see* White et al). 2009;54:S74 (Research Forum abstracts)
Carluccio A (*see* Veysman et al). 2009;54:S71 (Research Forum abstracts)
Caroon L (*see* Holm et al). 2009;54:S88 (Research Forum abstracts)
Carpenter CR (*see* Heidt and Carpenter). 2009;54:S81 (Research Forum abstracts)
Carpenter CR, DesPain RW, Keeling TN, Rothenberger MP, Shah MP. Assessing three-month fall risk for geriatric emergency department patients. 2009;54:S82 (Research Forum abstracts)
Carpenter CR, Griffey RT, Stark S, Coopersmith CM, Gage BF. Geriatric syndrome screening in emergency medicine: a geriatric technician acceptability analysis. 2009;54:S82 (Research Forum abstracts)
Carr BG, Branas CC, Metlay JP, Sullivan AF, Camargo CA Jr. Access to emergency care in the United States. 2009;54:261–9
Carr CM (*see* Saef et al). 2009;54:S4 (Research Forum abstracts)
Carson R (*see* Adhikari et al). 2009;54:S55 (Research Forum abstracts)
Carter MA (*see* Schroeder et al). 2009;54:S49 (Research Forum abstracts)
Cashin B (*see* Hile et al). 2009;54:S57 (Research Forum abstracts)
Cassara G (*see* Taira et al). 2009;54:S26 (Research Forum abstracts)
Castillio J (*see* Guyette et al). 2009;54:S142 (Research Forum abstracts)
Castillo EM (*see* Chan et al). 2009;54:279–84 (Brief research report);
Castillo EM (*see* Hansen et al). 2009;54:S69 (Research Forum abstracts)
Castillo EM (*see* Lev et al). 2009;54:S86 (Research Forum abstracts)
Castillo EM (*see* Vilke et al). 2009;54:S120 (Research Forum abstracts)
Castillo EM, Vilke GM, Williams M, Turner P, Boyle J, Chan TC. Collaborative to decrease ambulance diversion: the California ED Diversion Project. 2009;54:S78 (Research Forum abstracts)
Castillo R (*see* Bradley et al). 2009;54:S135 (Research Forum abstracts)
Castro P (*see* Aguilera et al). 2009;54:S54 (Research Forum abstracts)
Caterino J (*see* Katz et al). 2009;54:S96 (Research Forum abstracts)
Caterino U. Computed tomography changing over time in type 1 pulmonary laceration. 2009;54:156–7 (Case report)
Cattamanchi S (*see* Banala et al). 2009;54:S41 (Research Forum abstracts)
Cattamanchi S, Banala SR, S P, Trichur RV. Assessing competency of the Broselow-Luten pediatric resuscitation tape: a prospective, cross sectional, analytical study of 15,000 South Indian school children. 2009;54:S130 (Research Forum abstracts)
Cattamanchi S, Papa MK, Trichur RV. Randomized double-blind placebo-controlled trial comparing room temperature and heated lidocaine for local anesthesia and digital nerve block. 2009;54:S129 (Research Forum abstracts)
Caudell MJ (*see* Illston et al). 2009;54:S89 (Research Forum abstracts)
Cavallo E (*see* Shah et al). 2009;54:S73 (Research Forum abstracts)
Cayen B (*see* Vermeulen et al). 2009;54:794–804
CCT CORE Research Group (*see* Starr et al). 2009;54:S35 (Research Forum abstracts)
Centers for Disease Control and Prevention. Hospitalized patients with novel influenza A (H1N1) virus infection—California, April-May, 2009. 2009;54:732–4 (CDC Update)
Centers for Disease Control and Prevention. Invasive *Haemophilus influenzae* type b disease in five young children—Minnesota, 2008. 2009;54:83–5 (CDC Update)
Centers for Disease Control and Prevention. Primary amebic meningoencephalitis—Arizona, Florida, and Texas, 2007. 2009;54:469–71 (CDC Update)
Cerulli C (*see* Edwardsen and Cerulli). 2009;54:S126 (Research Forum abstracts)
Cete Y (*see* Bektas et al). 2009;54:568–74
Cetin GN. Flight crash beyond Medallion. 2009;54:473–4 (Change of Shift)
Cha W (*see* Kim et al). 2009;54:S86 (Research Forum abstracts)
Chaaban R (*see* Lemyze et al). 2009;54:756 (Images in Emergency Medicine)

Challoner K (*see* Borquez et al). 2009;54:S45 (Research Forum abstracts)
Chalut D (*see* Yarema et al). 2009;54:606–14
Chan GM (*see* Gupta et al). 2009;54:857 (Correspondence)
Chan S (*see* Sefchick et al). 2009;54:763–8
Chan SB (*see* Krieg et al). 2009;54:S94 (Research Forum abstracts)
Chan SB (*see* Swickhamer et al). 2009;54:S82 (Research Forum abstracts)
Chan TC (*see* Castillo et al). 2009;54:S78 (Research Forum abstracts)
Chan TC (*see* Lev et al). 2009;54:S86 (Research Forum abstracts)
Chan TC (*see* Vilke et al). 2009;54:S120 (Research Forum abstracts)
Chan TC, Killeen JP, Castillo EM, Vilke GM, Guss DA, Feinberg R, Friedman L. Impact of an Internet-based emergency department appointment system to access primary care at safety net community clinics. 2009;54:279–84 (Brief research report)
Chan TC, Vilke GM, Killeen JP, Guss DA, Marshall J, Edward CM. Impact of mandated nurse-patient ratios on time to antibiotic administration in the emergency department. 2009;54:S97 (Research Forum abstracts)
Chan W (*see* Phelan et al). 2009;54:S56 (Research Forum abstracts)
Chan W, Foo C. Postural hypotension in the elderly: predictors for intervention. 2009;54:S37 (Research Forum abstracts)
Chan Y (*see* Moskowitz et al). 2009;54:S71 (Research Forum abstracts)
Chan Y, Richardson L, Moskowitz A, Katz M, Chason K, Singhal A, Poojary I, Kramer S, Levine SR. Out-of-hospital normobaric oxygen therapy in presumptive acute stroke patients: a preliminary study. 2009;54:S72 (Research Forum abstracts)
Chandra A (*see* Hoekstra et al). 2009;54:779–88
Chandra A (*see* Limkakeng et al). 2009;54:S49 (Research Forum abstracts)
Chandra A, Freeman D, Mani G, Drake W, Limkakeng A. A comparative analysis of screening hypertensive patients for left ventricular abnormality with electrocardiograph and NT-proBNP. 2009;54:S54 (Research Forum abstracts)
Chandra A, Glickman SW, Ou F-S, Peacock WF, McCord JK, Cairns CB, Peterson ED, Ohman EM, Gibler WB, Roe MT. An analysis of the association of Society of Chest Pain Centers accreditation to American College of Cardiology/American Heart Association non–ST-segment elevation myocardial infarction guideline adherence. 2009;54:17–25
Chandra A, Harrison D, Boardwine A, Villani J, Gerardo C, Hocker M, Limkakeng A. An analysis of emergency department observation units impact on patient satisfaction scores. 2009;54:S74 (Research Forum abstracts)
Chandra A, Lewis K, Nouh A, Limkakeng A. Blatchford clinical risk stratification score may be used in an observation unit setting to risk stratify patients with gastrointestinal bleeding. 2009;54:S120 (Research Forum abstracts)
Chandra A, Mando J, Villani J, Harrison D, Hocker M, Limkakeng A. A comparison of rates of emergency department and observation unit adverse drug events. 2009;54:S133 (Research Forum abstracts)
Chandra R (*see* Manivannan et al). 2009;54:S113 (Research Forum abstracts)
Chandra R (*see* Odufuye et al). 2009;54:S72 (Research Forum abstracts)
Chandra S, Agarwal D, Surana A, Singh V, Mohan A, Khan MA. Predictors of mortality in patients presenting to emergency department with stroke: a developing nation scenario. 2009;54:S72 (Research Forum abstracts)
Chandwani D (*see* Adhikari et al). 2009;54:S89 (Research Forum abstracts)
Chang AK, Bijur PE, Campbell CM, Murphy MK, Gallagher EJ. Safety and efficacy of rapid titration using 1 mg doses of intravenous hydromorphone in emergency department patients with acute severe pain: the "1+1" protocol. 2009;54:221–5 (Brief research report)
Chang AK, Bijur PE, Campbell CM, Murphy MK, Gallagher EJ. The "1+1" protocol: risks, benefits, and alternatives. 2009;54:638–9 (Correspondence reply)
Chang AK, Bijur PE, Davitt M, Gallagher E. Randomized clinical trial comparing a patient-driven titration protocol of intravenous hydromorphone with traditional physician-driven management of emergency department patients with acute severe pain. 2009;54:561–7
Chang AM (*see* Cruz et al). 2009;54:1–7
Chang H (*see* Cochrane et al). 2009;54:S109 (Research Forum abstracts)
Chang R (*see* Mirhadi et al). 2009;54:S27 (Research Forum abstracts)
Chang Y (*see* Liu et al). 2009;54:S66 (Research Forum abstracts)
Chang Y (*see* White et al). 2009;54:S74 (Research Forum abstracts)
Chapman J (*see* Tollefsen et al). 2009;54:S17 (Research Forum abstracts)
Charbel I (*see* Seitelman et al). 2009;54:854 (Images in Emergency Medicine)
Chase DG (*see* Salvucci et al). 2009;54:S62 (Research Forum abstracts)
Chase M. Pediatric emergency medicine. 2009;54:145–6 (Book and Media Reviews)
Chason K (*see* Chan et al). 2009;54:S72 (Research Forum abstracts)
Chawla N (*see* Hoot et al). 2009;54:514–22
Chekijian S (*see* Lynch et al). 2009;54:S40 (Research Forum abstracts)
Chen B-H (*see* Chou et al). 2009;54:757–8 (Correspondence)
Chen J (*see* Cochrane et al). 2009;54:S109 (Research Forum abstracts)
Chen K-F, Gaydos C, Rothman RE. Commentary. 2009;54:734–6 (CDC Update)
Chen P-H (*see* Chou et al). 2009;54:757–8 (Correspondence)
Cheng AC, Buising KL. Time to first antibiotic dose measurement in community-acquired pneumonia: time for a change. 2009;54:312–3 (Correspondence reply)
Cheung DS, Kelly JJ, Fuller D, McCullough L, Farley H, Dalsey W, Quality Improvement and Patient Safety Section Handoff Grant Team. Variation in the practice of emergency department handoffs. 2009;54:S133 (Research Forum abstracts)
Cheung PT (*see* Teismann et al). 2009;54:442–6 (Brief research report)
Chiang W (*see* Romero et al). 2009;54:S37 (Research Forum abstracts)
Chikani V (*see* Bobrow et al). 2009;54:656–62
Chin E (*see* Summers et al). 2009;54:S103 (Research Forum abstracts)
Chinnock B, Fox C, Hendey GW. Gram's stain of peritoneal fluid is rarely helpful in the evaluation of the ascites patient. 2009;54:78–82 (Brief research report)
Chisanga C (*see* Kimberly et al). 2009;54:S87 (Research Forum abstracts)
Chiu SF (*see* Sakles and Chiu). 2009;54:S137 (Research Forum abstracts)
Cho E (*see* Greene et al). 2009;54:S33 (Research Forum abstracts)
Cho H (*see* Choi et al). 2009;54:S93 (Research Forum abstracts)
Cho Y (*see* Choi et al). 2009;54:S93 (Research Forum abstracts)
Cho YD, Hong Y, Choi S, Lee S, Moon S, Lee S, Kim J. The significance of lactate clearance rate as a predictor of organ failure. 2009;54:S39 (Research Forum abstracts)
Chohan JK (*see* Garra et al). 2009;54:S43 (Research Forum abstracts)
Chohan JK (*see* Zito et al). 2009;54:S44 (Research Forum abstracts)
Chohan JK, Singer AJ. Obesity in children. 2009;54:S41 (Research Forum abstracts)
Choi H (*see* Choi et al). 2009;54:S96 (Research Forum abstracts)
Choi H (*see* Kim et al). 2009;54:S86 (Research Forum abstracts)
Choi H (*see* Lee et al). 2009;54:S95 (Research Forum abstracts)
Choi J (*see* Nelson et al). 2009;54:S34 (Research Forum abstracts)
Choi M (*see* Kim et al). 2009;54:S92 (Research Forum abstracts)
Choi M, Kim J, Choi H, Lee J, Shin S, Kim D, Ro Y. Reliability of Emergency Severity Index version 4. 2009;54:S95 (Research Forum abstracts)
Choi S (*see* Cho et al). 2009;54:S39 (Research Forum abstracts)
Choi S (*see* Moon et al). 2009;54:S132 (Research Forum abstracts)
Choi S, Hong Y, Cho H, Yun Y, Kim J, Moon S, Han C, Shin J, Kim S, Cho Y. Early treatment of hypertonic saline and arginine is important in restoration of T cell dysfunction. 2009;54:S93 (Research Forum abstracts)
Cholette K (*see* Bastani et al). 2009;54:S8 (Research Forum abstracts)
Chomut A (*see* Brook et al). 2009;54:S5 (Research Forum abstracts)
Chopard M (*see* Neuner et al). 2009;54:S131 (Research Forum abstracts)
Chou C-J, Su H-M, Lee H-H, Ko Y-C, Chen P-H, Chen B-H. Life-threatening cardiac toxicity after chewing inverted nut (pinang-wang). 2009;54:757–8 (Correspondence)
Choy C (*see* Singer et al). 2009;54:S134 (Research Forum abstracts)
Choy H (*see* Farley et al). 2009;54:S52 (Research Forum abstracts)
Christ M (*see* Platz et al). 2009;54:S88 (Research Forum abstracts)
Christenson J (*see* Nichol et al). 2009;54:226–35
Christian MR (*see* Ahn et al). 2009;54:S10 (Research Forum abstracts)
Chun P (*see* Singla et al). 2009;54:S102 (Research Forum abstracts)
Churchill W (*see* Rothschild et al). 2009;54:S44 (Research Forum abstracts)

Churosh N (*see* Davis et al). 2009;54:S36 (Research Forum abstracts)
Cichon ME, Fuchs S, Lyons E, Leonard D. A statewide model program to improve emergency department readiness for pediatric care. 2009;54:198–204 (Concepts)
Cienki JJ, Hebert K, Ta AK, Diskin AL. A randomized comparison of continuous IV infusion of furosemide *versus* repeated IV bolus furosemide in acutely decompensated congestive heart failure. 2009;54:S29 (Research Forum abstracts)
Clark C (*see* O'Neil et al). 2009;54:S63 (Research Forum abstracts)
Clark C (*see* Peacock et al). 2009;54:S2 (Research Forum abstracts)
Clark C (*see* Swor et al). 2009;54:S116 (Research Forum abstracts)
Clark CL (*see* Wiederhold et al). 2009;54:S59 (Research Forum abstracts)
Clark L (*see* Bobrow et al). 2009;54:656–62
Clark RA (*see* Lim et al). 2009;54:S98 (Research Forum abstracts)
Clark RF, Ly B, Schneir A, Cantrell FL, Tomaszewski C, Tanen DA. More discussion of over the counter cough and cold preparations. 2009;54:309–10 (Correspondence)
Cobaugh DJ (*see* Dart et al). 2009;54:386–94 (Concepts)
Cochran AM, Higgins GL III, Strout TD. Comparison of traditional pediatric-age, nontraditional pediatric-age and adult-age patients with intussusception: a case series. 2009;54:S31 (Research Forum abstracts)
Cochrane D (*see* Campo et al). 2009;54:S48 (Research Forum abstracts)
Cochrane DG, Allegra JR, Chang H, Chen J. Performance of a chief complaint classifier for syndromic surveillance for three gastrointestinal sub-syndromes. 2009;54:S109 (Research Forum abstracts)
Cockburn MI (*see* Bilaniuk et al). 2009;54:S93 (Research Forum abstracts)
Codispoti CD (*see* Raja et al). 2009;54:72–7
Coleman G (*see* Miller et al). 2009;54:S30 (Research Forum abstracts)
Coleman P (*see* Sandoval et al). 2009;54:S127 (Research Forum abstracts)
Coleman TG (*see* Summers and Coleman). 2009; 54:S109 (Research Forum abstracts)
Collet F (*see* Lemyze et al). 2009;54:756 (Images in Emergency Medicine)
Colletti J (*see* Beatty et al). 2009;54:S22 (Research Forum abstracts)
Colletti JE (*see* Kiefer et al). 2009;54:S9 (Research Forum abstracts)
Colletti JE (*see* van Tonder et al). 2009;54:S17 (Research Forum abstracts)
Colucci A (*see* Romero et al). 2009;54:S37 (Research Forum abstracts)
Colvig C (*see* Swickhamer et al). 2009;54:S82 (Research Forum abstracts)
Commons B (*see* Wong et al). 2009;54:S114 (Research Forum abstracts)
Compton S (*see* Kuhn et al). 2009;54:106–13
Compton S (*see* Lamba et al). 2009;54:S51 (Research Forum abstracts)
Connors NJ (*see* Hernandez et al). 2009;54:856 (Correspondence)
Conrad SA (*see* Mahler et al). 2009;54:S26 (Research Forum abstracts)
Constantino T (*see* Ardolic et al). 2009;54:S122 (Research Forum abstracts)
Cook D (*see* Sierzenski et al). 2009;54:S68 (Research Forum abstracts)
Cook JT (*see* Venkat et al). 2009;54:S32 (Research Forum abstracts)
Cooke WH (*see* Greenfield et al). 2009;54:S62 (Research Forum abstracts)
Cooney DR (*see* Lyng et al). 2009;54:S24 (Research Forum abstracts)
Coon TP (*see* Goo et al). 2009;54:S42 (Research Forum abstracts)
Cooper ZD (*see* Jutkiewicz et al). 2009;54:409–20
Coopersmith CM (*see* Carpenter et al). 2009;54: S82 (Research Forum abstracts)
Corbella X (*see* Ferre et al). 2009;54:S38 (Research Forum abstracts)
Corcoran J (*see* Neuner et al). 2009;54:S131 (Research Forum abstracts)
Corl K (*see* Napoli et al). 2009;54:S11 (Research Forum abstracts); 54:S12 (Research Forum abstracts)
Coté CJ (*see* Green and Coté). 2009;54:181–90 (Concepts)
Courtney DM (*see* Aldeen et al). 2009;54:S144 (Research Forum abstracts)
Courtney DM (*see* Beam et al). 2009;54:147–52
Courtney DM (*see* Kline et al). 2009;54:41–8
Courtney DM (*see* Tanabe et al). 2009;54:S14 (Research Forum abstracts)
Courtney DM (*see* Van Roo et al). 2009;54:S144 (Research Forum abstracts)
Cowan E (*see* Calderon et al). 2009;54:S18 (Research Forum abstracts)
Cox D (*see* Miller et al). 2009;54:S30 (Research Forum abstracts)
Coyne CJ (*see* Arora et al). 2009;54:S136 (Research Forum abstracts)
Crape B (*see* Lynch et al). 2009;54:S40 (Research Forum abstracts)
Crawford J (*see* MacCormick et al). 2009;54:26–32
Cregin R (*see* Rusczyk et al). 2009;54:S15 (Research Forum abstracts)
Crim H (*see* Schuur et al). 2009;54:S75 (Research Forum abstracts)
Crim H (*see* Venkatesh et al). 2009;54:S76 (Research Forum abstracts)
Crouch A (*see* McNally et al). 2009;54:674–83 (Concepts)
Crouch R (*see* Hile et al). 2009;54:S57 (Research Forum abstracts)
Croushorn J (*see* Greenfield et al). 2009;54:S62 (Research Forum abstracts)
Crown A (*see* Miller et al). 2009;54:S30 (Research Forum abstracts)
Crozier I (*see* MacCormick et al). 2009;54:26–32
Cruz CO, Meshberg EB, Shofer FS, McCusker CM, Chang AM, Hollander JE. Interrater reliability and accuracy of clinicians and trained research assistants performing prospective data collection in emergency department patients with potential acute coronary syndrome. 2009;54:1–7
Cubuk M (*see* Bektas et al). 2009;54:568–74
Culig C (*see* Venkat et al). 2009;54:S32 (Research Forum abstracts)
Curran J (*see* Dubin et al). 2009;54:S18 (Research Forum abstracts)
Currie BJ (*see* Nickson et al). 2009;54:395–403
Curry SC (*see* Dart et al). 2009;54:386–94 (Concepts)

D

Dagum AB (*see* Singer et al). 2009;54:S49 (Research Forum abstracts)
Dailey M, Prunty H, Frisch A, Martin T, Osborne B, Blank F, Barus R, Fitzgerald T. Provider impression of cervical spine injury and its effects on quality of out-of-hospital immobilization techniques. 2009;54:S79 (Research Forum abstracts)
Dalsey W (*see* Cheung et al). 2009;54:S133 (Research Forum abstracts)
Daly A (*see* Albert et al). 2009;54:S133 (Research Forum abstracts)
Damewood S (*see* Perry et al). 2009;54:S27 (Research Forum abstracts)
Damewood S, Cadigan B, Jeanmonod D. Teaching the focused assessment with sonography in trauma exam: is an ultrasound mannequin simulator as good as or better than using live models for practical training? 2009; 54:S70 (Research Forum abstracts)
Damewood S, Perry C, Powers M, Jeanmonod D, Jeanmonod R. Punch injuries and psychiatric comorbidity in men and women. 2009;54:S45 (Research Forum abstracts)
D'Amore J, O'Donnell MB, Patel S, Soohoo D, Zhang S, DeCicco S, Gong J, Drumheller B, Akerman M, Ward MF. The prevalence and prognostic value of hyperglycemia and APACHE II scores among adult sepsis patients in the emergency department. 2009;54:S143 (Research Forum abstracts)
Darbar D (*see* Barrett et al). 2009;54:S1 (Research Forum abstracts)
Dart RC (*see* Yarema et al). 2009;54:606–14
Dart RC, Borron SW, Caravati EM, Cobaugh DJ, Curry SC, Falk JL, Goldfrank L, Gorman SE, Groft S, Heard K, Miller K, Olson KR, O'Malley G, Seger D, Seifert SA, Sivilotti MLA, Schaeffer T, Tomassoni AJ, Wise R, Bogdan GM, Alhelail M, Buchanan J, Hoppe J, Lavonas E, Miynarchek S, Phua D-H, Rhyee S, Varney S, Zosel A, for the Antidote Summit Authorship Group. Expert consensus guidelines for stocking of antidotes in hospitals that provide emergency care. 2009;54:386–94 (Concepts)
Das A, Li J, Wang H, Vanden Hoek T, Beiser D. Induced mild hypothermia modulates Akt phosphorylation and Hsp27 expression in mouse hemorrhagic shock. 2009;54:S28 (Research Forum abstracts)
Das D, Garg N, Green JP, Gupta S, Suarez AE. Evaluation of different teaching modalities for EKG interpretation among emergency medicine residents. 2009;54:S10 (Research Forum abstracts)
Datillo PA (*see* Birkhahn et al). 2009;54:S76 (Research Forum abstracts); 54:S118 (Research Forum abstracts)
Dattaro JA (*see* Hlibczuk et al). 2009;54:S31 (Research Forum abstracts)
Davidson SB (*see* Raja et al). 2009;54:S123 (Research Forum abstracts)
Davis BP. An elderly woman with arm twitching. 2009;54:476 (Images in Emergency Medicine)
Davis JE, Churosh N, Borloz M, Howell J. Knowledge of self-injectable epinephrine technique among emergency medical services providers. 2009;54:S36 (Research Forum abstracts)

Davis S (*see* Tadros et al). 2009;54:S80 (Research Forum abstracts)
Davis V (*see* Groke et al). 2009;54:S10 (Research Forum abstracts)
Davis V, Gupta P, Monroe K. Emergency department blood cultures have limited usefulness in the management of children hospitalized for community-acquired pneumonia. 2009;54:S41 (Research Forum abstracts)
Davitt M (*see* Chang et al). 2009;54:561–7
Dawes DM (*see* Ho et al). 2009;54:S40 (Research Forum abstracts)
Dawes DM (*see* Lundin et al). 2009;54:S98 (Research Forum abstracts)
Dawson M (*see* Groke et al). 2009;54:S10 (Research Forum abstracts)
Day FC, Schriger DL. A consideration of the measurement and reporting of interrater reliability. 2009;54:843–53 (Journal Club)
Day FC, Schriger DL. Journal club: the measurement of reliability. 2009;54:9–11 (Journal Club)
Daya M (*see* Handel et al). 2009;54:S95 (Research Forum abstracts)
Dear K (*see* Abello et al). 2009;54:S97 (Research Forum abstracts)
de Boer M (*see* Spaite et al). 2009;54:248–55
DeCicco S (*see* D'Amore et al). 2009;54:S143 (Research Forum abstracts)
Decker W (*see* Odufuye et al). 2009;54:S72 (Research Forum abstracts)
Decker W (*see* Vélez et al). 2009;54:S58 (Research Forum abstracts)
Decker WW. 54:704–31 (Clinical policy)
Decker WW (*see* Agarwal et al). 2009;54:S118 (Research Forum abstracts)
Decker WW (*see* Jain et al). 2009;54:S112 (Research Forum abstracts); 54:S117 (Research Forum abstracts)
Decker WW (*see* Manivannan et al). 2009;54:S113 (Research Forum abstracts); 54:S121 (Research Forum abstracts)
Decker WW (*see* Stead et al). 2009;54:S110 (Research Forum abstracts); 54:S111 (Research Forum abstracts)
Decker WW (*see* Veena et al). 2009;54:S112 (Research Forum abstracts)
Delasobera L (*see* Milzman and Delasobera). 2009; 54:S126 (Research Forum abstracts)
Delgado MK, Wang N, Acosta C, Khandwala Y, West AM, Strehlow MC, Ginde AA, Camargo CA Jr. National survey of preventive health services in United States emergency departments. 2009;54:S20 (Research Forum abstracts)
Dell'Aglio DM, Perino LJ, Kazzi Z, Abramson J, Schwartz MD, Morgan BW. Acute metformin overdose: examining serum pH, lactate level, and metformin concentrations in survivors *versus* nonsurvivors: a systematic review of the literature. 2009;54:818–23 (Review article)
DeLorenzo R (*see* Miller et al). 2009;54:S140 (Research Forum abstracts)
De Lorenzo RA (*see* Rubal et al). 2009;54:S99 (Research Forum abstracts)
De Lorenzo RA, Rubal BJ, Ward JA, Jordan BS, Hanson CE, Holbrook-Emmons VL, Medina JS. Visualization of intraosseous flow paths by angiography, computed tomography and vital dye techniques. 2009;54:S99 (Research Forum abstracts)
Del Rios M (*see* Saul et al). 2009;54:S68 (Research Forum abstracts)
Demircan A, Keleş A, Bildik F, Aygencel G, Doğan N, Gómez HF. Mad honey sex: therapeutic misadventures from an ancient biological weapon. 2009;54:824–9 (Brief research report)
Denninghoff K (*see* Spaite et al). 2009;54:248–55
DeRoo E (*see* House et al). 2009;54:S64 (Research Forum abstracts)
Derose SF (*see* Sun et al). 2009;54:769–78
Derse AR (*see* Quest et al). 2009;54:94–102 (Concepts)
Dershwitz M (*see* Ly et al). 2009;54:S22 (Research Forum abstracts)
Desai RA (*see* Landman et al). 2009;54:S108 (Research Forum abstracts)
Desai S (*see* Borquez et al). 2009;54:S45 (Research Forum abstracts)
Desmond JS (*see* McCarthy et al). 2009;54:492–503
DesPain RW (*see* Carpenter et al). 2009;54:S82 (Research Forum abstracts)
Devey JS (*see* Laselle et al). 2009;54:e8–e9 (Images in Emergency Medicine)
Dhillon R (*see* Odufuye et al). 2009;54:S72 (Research Forum abstracts)
Dhillon R (*see* Stead et al). 2009;54:S111 (Research Forum abstracts)
Dhillon RJ, Dhillon RK, Maqsood MQ. Epidemiology of trampoline-related injuries in children attending the emergency department. 2009;54:S26 (Research Forum abstracts)
Dhillon RK (*see* Dhillon et al). 2009;54:S26 (Research Forum abstracts)
Dhillon RK (*see* Jain et al). 2009;54:S112 (Research Forum abstracts)
Dhillon RK (*see* Manivannan et al). 2009;54:S113 (Research Forum abstracts)
Dhillon RK (*see* Veena et al). 2009;54:S112 (Research Forum abstracts)
Dhillon RK, Bellolio M, Anderson JL. Correlation of Pediatric Asthma Severity Score and end tidal CO_2 values with asthma severity in the pediatric population. 2009;54:S130 (Research Forum abstracts)
Dhillon RK, Bellolio M, Wickremasinghe AC, Anderson JL. Respiratory distress assessment instrument as a predictor of hospital admission and severity in children with bronchiolitis. 2009;54:S92 (Research Forum abstracts)
DiCarlo J (*see* Illston et al). 2009;54:S89 (Research Forum abstracts)
Dickey D (*see* Low et al). 2009;54:S111 (Research Forum abstracts)
Dickman E (*see* Ayvazyan et al). 2009;54:S102 (Research Forum abstracts)
Dickson EW, Anguelov Z, Vetterick D, Eller A, Singh S. Use of Lean in the emergency department: a case series of 4 hospitals. 2009; 54:504–10
Diercks D (*see* Owen and Diercks). 2009;54:S142 (Research Forum abstracts)
Diercks D (*see* Peacock et al). 2009;54:S2 (Research Forum abstracts); 54:S7 (Research Forum abstracts)
Diercks DB (*see* Hoekstra et al). 2009;54:779–88
DiFazio LT (*see* Bilaniuk et al). 2009;54:S93 (Research Forum abstracts)
Ding R (*see* McCarthy et al). 2009;54:492–503
Dipre M (*see* Liteplo et al). 2009;54:S67 (Research Forum abstracts)
Diskin AL (*see* Cienki et al). 2009;54:S29 (Research Forum abstracts)
Di Somma S (*see* Peacock et al). 2009;54:S29 (Research Forum abstracts)
Dizen H, İbili I, Zülfikaroğlu B, Tez M, Koç M. Hydatid cyst in emergency service. 2009;54: 134–5 (Correspondence)
Doğan N (*see* Demircan et al). 2009;54:824–9 (Brief research report)
Domeier R (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Donahue S (*see* Suozzi et al). 2009;54:S20 (Research Forum abstracts)
Doty CI (*see* Sinert and Doty). 2009;54:e1–e5 (Critically appraised topic)
Doty CI (*see* Sinert et al).2009;54:e6–e7 (Brief commentary)
Drake W (*see* Chandra et al). 2009;54:S54 (Research Forum abstracts)
Drake W (*see* Limkakeng et al). 2009;54:S49 (Research Forum abstracts)
Drendel AL, Gorelick MH, Weisman SJ, Lyon R, Brousseau DC, Kim MK. A randomized clinical trial of ibuprofen *versus* acetaminophen with codeine for acute pediatric arm fracture pain. 2009;54:553–60
Drescher MJ, Alpert EA, Zalut T, Torgovicky R, Wimpfheimer Z. Prophylactic etoricoxib prevents Yom Kippur Headache: a placebo-controlled double blind trial. 2009;54:S128 (Research Forum abstracts)
Dreyer J (*see* Spaite et al). 2009;54:248–55
Drigalla D (*see* Toofan et al). 2009;54:S63 (Research Forum abstracts)
Drigalla D, Bollinger R, Brown J, Rush C, Kjar D, Stallard T. Glottic view using direct and Glidescope® laryngoscopes in the hands of emergency physicians. 2009;54:S138 (Research Forum abstracts)
Drigalla D, Brown J, Bollinger R, Rush C, Kjar D, Stallard T. Successful endotracheal intubation by experienced emergency physicians using direct and Glidescope® laryngoscopes. 2009; 54:S138 (Research Forum abstracts)
Drumheller B (*see* D'Amore et al). 2009;54:S143 (Research Forum abstracts)
Dubin J, Nassar C, Sharretts J, Youssef G, Curran J, Magee M. STEP-DC: stop emergency department visits for hyperglycemia project -DC. 2009;54:S18 (Research Forum abstracts)
Duemling KE, Irvin CB. Can total and motor Glasgow Coma scale predict mortality in penetrating trauma? 2009;54:S124 (Research Forum abstracts)
Dunn V (*see* Low et al). 2009;54:S111 (Research Forum abstracts)
Durie C (*see* Matthews et al). 2009;54:S77 (Research Forum abstracts)
Duseja R, Nsa W, Belk K, Schwartz S, Bratzler D. Does pay for performance lead to potential misuse of antibiotics among patients with congestive heart failure? 2009;54:S65 (Research Forum abstracts)
Dutton R (*see* Sen et al). 2009;54:S96 (Research Forum abstracts); 54:S143 (Research Forum abstracts)
Duvall WL (*see* Hermann et al). 2009;54:12–6 (Brief research report)
Duvall WL (*see* Hermann et al). 2009;54:S8 (Research Forum abstracts)
Dykstra D (*see* Burger et al). 2009;54:S93 (Research Forum abstracts)

Dziuba D (*see* Lewis and Dziuba). 2009;54:S66 (Research Forum abstracts)
Dziuba D, Theodoro D, Lewis L. Demographic and clinical variables associated with follow-up of emergency department patients at federally funded clinics: metropolitan-wide survey pilot data. 2009;54:S135 (Research Forum abstracts)

E

Eadeh H (*see* Irvin et al). 2009;54:S43 (Research Forum abstracts)
Eadie JS (*see* Bebarta et al). 2009;54:S59 (Research Forum abstracts)
Earnest F IV (*see* Lindor et al). 2009;54:S13 (Research Forum abstracts)
Easter B, Fischer C, Fisher J. Characteristics of patients undergoing mechanical ventilation in US emergency departments. 2009;54:S28 (Research Forum abstracts)
Eberhardt M (*see* Mersky et al). 2009;54:S94 (Research Forum abstracts)
Eckardt P (*see* Acosta et al). 2009;54:S50 (Research Forum abstracts)
Eddy C-A (*see* MacCormick et al). 2009;54:26–32
Eddy OL (*see* Nazarian et al). 2009;54:704–31 (Clinical policy)
Eden A (*see* Mir et al). 2009;54:S91 (Research Forum abstracts)
Edward CM (*see* Chan et al). 2009;54:S97 (Research Forum abstracts)
Edwardsen EA, Cerulli C. Improving coordinated responses for victims of intimate partner violence: law enforcement compliance with state-mandated intimate partner violence documentation. 2009;54:S126 (Research Forum abstracts)
Egan D, Lech C. Characteristics of patients undergoing rapid HIV testing in a NYC emergency department. 2009;54:S106 (Research Forum abstracts)
Egan D, Urbina A, Galatowitsch P. A two-year experience of patients receiving non-occupational post-exposure prophylaxis against HIV in a NYC emergency department. 2009; 54:S105 (Research Forum abstracts)
Eilbert W (*see* Shukla et al). 2009;54:S65 (Research Forum abstracts)
Eisenberg M, White RD. The unacceptable disparity in cardiac arrest survival among American communities. 2009;54:258–60 (Editorial)
Eisenhart A (*see* Mookadam and Eisenhart). 2009; 54:308 (Images in Emergency Medicine)
Eken C (*see* Bektas et al). 2009;54:568–74
Elkin R (*see* Holthaus et al). 2009;54:135–6 (Correspondence)
Eller A (*see* Dickson et al). 2009;54:504–10
Ellicott A (*see* Farley et al). 2009;54:S52 (Research Forum abstracts)
Ellis M (*see* Ramirez et al). 2009;54:S130 (Research Forum abstracts)
Ely EW (*see* Bryce et al). 2009;54:S80 (Research Forum abstracts)
Emergency Management and Research Institute (EMRI) (*see* Mahadevan et al). 2009;54:S80 (Research Forum abstracts)
Emergency Nurses Association Pediatric Committee (*see* American Academy of Pediatrics Committee on Pediatric Emergency Medicine et al). 2009;54:543–52 (Policy statement)
Emerman CL (*see* Smith et al). 2009;54:S129 (Research Forum abstracts)
Emlet L (*see* Shum et al). 2009;54:S21 (Research Forum abstracts)
Epino H (*see* Levine et al). 2009;54:S91 (Research Forum abstracts)
Epstein SK (*see* Hoot et al). 2009;54:514–22
Erickson A (*see* Rothschild et al). 2009;54:S44 (Research Forum abstracts)
Erstad B (*see* Patanwala et al). 2009;54:S44 (Research Forum abstracts)
Eskin B (*see* Faig et al). 2009;54:S23 (Research Forum abstracts)
Eskin B (*see* Gee et al). 2009;54:S111 (Research Forum abstracts)
Eskin B (*see* Kairam et al). 2009;54:S91 (Research Forum abstracts)
Eskin B (*see* Wreschner et al). 2009;54:S55 (Research Forum abstracts)
Espinola JA (*see* Camargo et al). 2009;54:S86 (Research Forum abstracts)
Espitia D (*see* Arora et al). 2009;54:S136 (Research Forum abstracts)
Estepa AT (*see* Takakuwa et al). 2009;54:S13 (Research Forum abstracts)
Ewing J (*see* Phelan et al). 2009;54:S56 (Research Forum abstracts)
Ewy GA (*see* Bobrow et al). 2009;54:656–62
Exadaktylos AK. Full life support for acute care surgery. 2009;54:478 (Correspondence)

F

Faccio K, Barr G Jr, Greenberg M, Weaver K, Rupp V. A prospective study of cardiopulmonary resuscitation training in 7th grade students using a take-home self-instruction cardiopulmonary resuscitation kit. 2009;54:S124 (Research Forum abstracts)
Faig O, Allegra JR, Eskin B. A regional study of emergency department visits for acute exacerbation of chronic obstructive pulmonary disease. 2009;54:S23 (Research Forum abstracts)
Falk JL (*see* Dart et al). 2009;54:386–94 (Concepts)
Falvey D (*see* Hill et al). 2009;54:S21 (Research Forum abstracts); 54:S137 (Research Forum abstracts); 54:S138 (Research Forum abstracts)
Falzon L (*see* Hlibczuk et al). 2009;54:S31 (Research Forum abstracts)
Farley H (*see* Cheung et al). 2009;54:S133 (Research Forum abstracts)
Farley H, Choy H, Ellicott A, Mascioli S, Reed J III, Weintraub W, Reese CL IV. Utilization of the situation-background-assessment-request, companion phones, and cell phones improves communication with consultants in the emergency department. 2009;54:S52 (Research Forum abstracts)
Farley H, Hines D, Ross E, Massucci JL, Alders V, Reed J, Sweeney T, Jasani N, Reese CL. A lean-based triage redesign process improves door-to-room times and decreases number of patients at triage. 2009;54:S96 (Research Forum abstracts)
Farley HL (*see* Hendry et al). 2009;54:S53 (Research Forum abstracts)
Farley HL, Buehler G. An assessment of resident training in emergency department administration. 2009;54:S9 (Research Forum abstracts)
Fauchet G (*see* Schuur et al). 2009;54:S6 (Research Forum abstracts)
Featherstone D (*see* Riddell et al). 2009;54:639–40 (Correspondence)
Fee C (*see* Frazee et al). 2009;54:695–700 (Brief research report)
Feinberg R (*see* Chan et al). 2009;54:279–84 (Brief Research Report)
Felderman H, Walsh B, Shih S, Luk J, Sturm D. The predictive value of arrival with EMS. 2009;54:S37 (Research Forum abstracts)
Felderman H, Walsh B, Yasbin P. A comparison of out-of-hospital rapid sequence intubation success to non-paralyzed patients. 2009;54:S36 (Research Forum abstracts)
Feldman B (*see* Miller et al). 2009;54:S30 (Research Forum abstracts)
Fermann G (*see* Peacock et al). 2009;54:S2 (Research Forum abstracts)
Fermann GJ (*see* Hoekstra et al). 2009;54:779–88
Ferre C, Llopis F, Jacob J, Juan A, Alonso G, Corbella X, Salazar A. Diagnostic testing and site-of-care assigned to 608 pneumonia patients admitted to the hospital after evaluation at the emergency department. 2009; 54:S38 (Research Forum abstracts)
Ferre RM (*see* Bebarta et al). 2009;54:S59 (Research Forum abstracts)
Ferre RM, Wasielewski JN, Strout TD, Perron AD. Tamsulosin for ureteral stones in the emergency department: a randomized, controlled trial. 2009;54:432–9
Fertel BS, Kohlhoff SA, Roblin PM, Parker CE, Augenbraun MH, Arquilla B. Mass screening of children during a pandemic influenza drill. 2009;54:S3 (Research Forum abstracts)
Fettig J (*see* Calderon et al). 2009;54:S18 (Research Forum abstracts)
Field C (*see* Roudsari et al). 2009;54:285–93
Fieldston E (*see* Pines et al). 2009;54:S75 (Research Forum abstracts)
Fiesseler F (*see* Bloomer et al). 2009;54:S115 (Research Forum abstracts)
Finalle C (*see* Waldron et al). 2009;54:S60 (Research Forum abstracts)
Fischer C (*see* Easter et al). 2009;54:S28 (Research Forum abstracts)
Fish L (*see* Sekhon et al). 2009;54:S115 (Research Forum abstracts)
Fisher J (*see* Easter et al). 2009;54:S28 (Research Forum abstracts)
Fisher J (*see* Smith et al). 2009;54:86–93
Fitzgerald T (*see* Dailey et al). 2009;54:S79 (Research Forum abstracts)
Fitzgibbon K (*see* Ardolic et al). 2009;54:S122 (Research Forum abstracts)
Flach F (*see* Wu et al). 2009;54:S67 (Research Forum abstracts)
Flake M (*see* Lyon et al). 2009;54:S69 (Research Forum abstracts)
Fleishman J (*see* Wong et al). 2009;54:S114 (Research Forum abstracts)
Floccare DJ (*see* LaMonte et al). 2009;54:319–27 (Concepts)
Flottemesch TJ (*see* Gordon et al). 2009;54:138–9 (Correspondence reply)
Flottemesch TJ (*see* Hoot et al).2009;54:514–22
Flowers PW (*see* Hong et al). 2009;54:S78 (Research Forum abstracts)
Foo C (*see* Chan and Foo). 2009;54:S37 (Research Forum abstracts)
Foo C (*see* Wong and Foo). 2009;54:S81 (Research Forum abstracts)

Forcada A (*see* Napoli et al). 2009;54:S11 (Research Forum abstracts); 54:S12 (Research Forum abstracts)
Formoso F (*see* Battista et al). 2009;54:S29 (Research Forum abstracts)
Forred W (*see* Slattery et al). 2009;54:S56 (Research Forum abstracts)
Forrow L (*see* Smith et al). 2009;54:86–93
Fortman J (*see* Romero et al). 2009;54:S37 (Research Forum abstracts)
Foster A (*see* Aldeen et al). 2009;54:S144 (Research Forum abstracts)
Fox C (*see* Chinnock et al). 2009;54:78–82 (Brief research report)
Fox J (*see* Summers et al). 2009;54:S103 (Research Forum abstracts)
Fox JM (*see* Irvin et al). 2009;54:S90 (Research Forum abstracts)
Frakes M (*see* Tollefsen et al). 2009;54:S17 (Research Forum abstracts)
Franciscon A, Machado J, Schmidt A, Pazin-Filho A. Oral anticoagulation quality index as a predictor for bleeding. 2009;54:S8 (Research Forum abstracts)
Frankowski R (*see* Roudsari et al). 2009;54:285–93
Frattaroli GD (*see* Seftchick et al). 2009;54:763–8
Frazee B (*see* Teismann et al). 2009;54:442–6 (Brief research report)
Frazee BW, Fee C, Lambert L. How common is MRSA in adult septic arthritis? 2009;54:695–700 (Brief research report)
Fredericks K (*see* Boucher et al). 2009;54:S113 (Research Forum abstracts)
Fredericks K (*see* Murphy et al). 2009;54:S126 (Research Forum abstracts)
Fredericks K (*see* Richardson et al). 2009;54:S44 (Research Forum abstracts)
Freeman D (*see* Chandra et al). 2009;54:S54 (Research Forum abstracts)
Freeman D (*see* Limkakeng et al). 2009;54:S49 (Research Forum abstracts)
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French JK (*see* MacCormick et al). 2009;54:26–32
French SC (*see* Klope et al). 2009;54:S46 (Research Forum abstracts)
Friedman L (*see* Chan et al). 2009;54:279–84 (Brief research report)
Frisch A (*see* Dailey et al). 2009;54:S79 (Research Forum abstracts)
Fromm C (*see* Ayvazyan et al). 2009;54:S102 (Research Forum abstracts)
Frrokaj I (*see* Adhikari et al). 2009;54:S103 (Research Forum abstracts)
Fuchs S (*see* Cichon et al). 2009;54:198–204 (Concepts)
Fuentes JM, Mullins ME. Obese dosing adjustments for selected antimicrobials in the emergency department. 2009;54:S114 (Research Forum abstracts)
Fullam F (*see* Rumoro et al). 2009;54:S52 (Research Forum abstracts)
Fuller D (*see* Cheung et al). 2009;54:S133 (Research Forum abstracts)
Funk D (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)

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Gaasch WR (*see* LaMonte et al). 2009;54:319–27 (Concepts)
Gabayan GZ (*see* O'Laughlin et al). 2009;54:S59 (Research Forum abstracts)
Gabayan GZ (*see* Sun et al). 2009;54:769–78
Gabayan GZ, Asch SM, Starks SL, Sun BC. Does having and using a usual source of care decrease emergency department use? 2009;54:S64 (Research Forum abstracts)
Gabrielli L (*see* Aguilera et al). 2009;54:S54 (Research Forum abstracts)
Gadd CS (*see* Hoot et al). 2009;54:514–22
Gaeta TJ (*see* Birkhahn et al). 2009;54:S76 (Research Forum abstracts); 54:S118 (Research Forum abstracts)
Gage AM (*see* Bilaniuk et al). 2009;54:S93 (Research Forum abstracts)
Gage BF (*see* Carpenter et al). 2009;54:S82 (Research Forum abstracts)
Gagnon M (*see* Graham et al). 2009;54:313–4 (Correspondence)
Gai V (*see* Battista et al). 2009;54:S29 (Research Forum abstracts)
Galatowitsch P (*see* Egan et al). 2009;54:S105 (Research Forum abstracts)
Galea S (*see* Bohnert et al). 2009;54:618–24
Gallagher E (*see* Chang et al). 2009;54:561–7
Gallagher EJ (*see* Chang et al). 2009;54:221–5 (Brief research report); 54:638–9 (Correspondence reply)
Gallagher M (*see* Tollefsen et al). 2009;54:S17 (Research Forum abstracts)
Gallagher MJ (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)
Garcia AJ (*see* Sen et al). 2009;54:S30 (Research Forum abstracts)
Garcia Pena BM (*see* Green et al). 2009;54:158–68; 54:171–80
Garcia UJ (*see* Borquez et al). 2009;54:S45 (Research Forum abstracts)
Gardiner F (*see* Napoli et al). 2009;54:S12 (Research Forum abstracts)
Garg N (*see* Das et al). 2009;54:S10 (Research Forum abstracts)
Garg N (*see* Green et al). 2009;54:S83 (Research Forum abstracts)
Garg N (*see* Gupta et al). 2009;54:S20 (Research Forum abstracts)
Garg N (*see* Mejia et al). 2009;54:S15 (Research Forum abstracts)
Garg N (*see* Singla et al). 2009;54:S102 (Research Forum abstracts)
Garman A, Lyon M, Kutlar A. The utility of routine reticulocyte count in uncomplicated vaso-occlusive crisis due to sickle cell disease. 2009;54:S33 (Research Forum abstracts)
Garra G (*see* Thode and Garra). 2009;54:S15 (Research Forum abstracts)
Garra G (*see* Zito et al). 2009;54:S7 (Research Forum abstracts)
Garra G, Singer AJ, Chohan JK, Thode HC Jr. Nausea and vomiting: are we treating the patients or ourselves? 2009;54:S43 (Research Forum abstracts)
Garro A, Asnis L, Merchant R, McQuaid E. Emergency department prescriptions for long-term inhaled corticosteroids for children with asthma: are we following recommendations? 2009;54:S17 (Research Forum abstracts)
Gaspari R (*see* Ly et al). 2009;54:S22 (Research Forum abstracts)
Gaspari RJ (*see* Montoya et al). 2009;54:S101 (Research Forum abstracts)
Gaudio M, Hafner JW. Simple aspiration compared to chest tube insertion in the management of primary spontaneous pneumothorax. 2009;54:458–60 (Systematic review abstract)
Gaydos C (*see* Chen et al). 2009;54:734–6 (CDC Update)
Gee CA, Phanthavady T, McGuire T, Madsen T. New generation CT scanners demonstrate higher sensitivity for subarachnoid hemorrhage. 2009;54:S12 (Research Forum abstracts)
Gee SW, Allegra JR, Eskin B, Mirgorodsky E. Relationship between ambient temperature and emergency department visits for headaches. 2009;54:S111 (Research Forum abstracts)
Genes N, Shapiro JS. Two troponins: defining and characterizing a resource-intensive emergency department cohort using a clinical datamart. 2009;54:S107 (Research Forum abstracts)
George B (*see* Stein et al). 2009;54:33–40
Gerardo C (*see* Chandra et al). 2009;54:S74 (Research Forum abstracts)
Gerber AC (*see* Green et al). 2009;54:158–68; 54:171–80
Gerecht R (*see* Milzman et al). 2009;54:S125 (Research Forum abstracts)
Ghaffari G (*see* Hernandez et al). 2009;54:856 (Correspondence)
Ghory HZ (*see* Walker et al). 2009;54:S120 (Research Forum abstracts)
Gibler WB (*see* Chandra et al). 2009;54:17–25
Gibson C (*see* Hoekstra et al). 2009;54:779–88
Giglio J (*see* Hoekstra et al). 2009;54:779–88
Gill J (*see* Sciorra et al). 2009;54:S47 (Research Forum abstracts)
Gilmer M, Williams A, Ray D, Jones JS. Nonaneurysmal subarachnoid hemorrhage: clinical course and outcome in two distinct hemorrhage patterns. 2009;54:S70 (Research Forum abstracts)
Gilmore J (*see* Agarwal et al). 2009;54:S61 (Research Forum abstracts)
Gilmore R (*see* Manivannan et al). 2009;54:S113 (Research Forum abstracts)
Gilmore R (*see* Odufuye et al). 2009;54:S72 (Research Forum abstracts)
Gilmore RM (*see* Jain et al). 2009;54:S112 (Research Forum abstracts)
Gilmore RM (*see* Sunga et al). 2009;54:S31 (Research Forum abstracts)
Gilmore RM (*see* Veena et al). 2009;54:S112 (Research Forum abstracts)
Ginde A (*see* Talley et al). 2009;54:S102 (Research Forum abstracts)
Ginde AA (*see* Camargo et al). 2009;54:S86 (Research Forum abstracts)
Ginde AA (*see* Delgado et al). 2009;54:S20 (Research Forum abstracts)
Ginde AA (*see* Handel et al). 2009;54:S51 (Research Forum abstracts)
Ginde AA (*see* Klug et al). 2009;54:701–3 (Case Report)
Ginde AA (*see* Sullivan et al). 2009;54:S19 (Research Forum abstracts)
Ginde AA, Sullivan AF, Camargo CA Jr. National study of the emergency physician workforce, 2008. 2009;54:349–59
Ginde AA, Talley BE, Trent SA, Raja AS, Sullivan AF, Camargo CA Jr. Primary and specialty care follow-up for uninsured emergency department patients. 2009;54:S75 (Research Forum abstracts)

Gist A (*see* Saef et al). 2009;54:S4 (Research Forum abstracts)
Givens ML. Characteristics of fragment wounds in a combat setting. 2009;54:S94 (Research Forum abstracts)
Gjelsvik A (*see* Ranney and Gjelsvik). 2009;54: S126 (Research Forum abstracts)
Glauser J (*see* Phelan et al). 2009;54:S19 (Research Forum abstracts)
Gletsu S (*see* AlDarrab et al). 2009;54:S4 (Research Forum abstracts)
Glickman S, Boulding W, Manary M, Staelin R, Cairns C, Schulman K. Patient satisfaction is associated with clinical quality and hospital outcomes in acute myocardial infarction. 2009; 54:S97 (Research Forum abstracts)
Glickman S, Cairns C, O'Brien S, Ou F, Lytle B, Granger C, Jollis J. The impact of a statewide ST-segment myocardial infarction regionalization program on treatment times for women, minorities, and elderly patients at hospitals without percutaneous coronary intervention capability. 2009;54:S2 (Research Forum abstracts)
Glickman SW (*see* Chandra et al). 2009;54:17–25;
Glickman SW (*see* Limkakeng et al). 2009;54:S49 (Research Forum abstracts)
Gluckman W (*see* Lamba et al). 2009;54:S51 (Research Forum abstracts)
Go S (*see* O'Laughlin et al). 2009;54:S59 (Research Forum abstracts)
Godbout B (*see* Shah et al). 2009;54:S82 (Research Forum abstracts)
Goetz JD (*see* Wu et al). 2009;54:S36 (Research Forum abstracts)
Goksu E (*see* Bektas et al). 2009;54:568–74
Goldberg R (*see* Kuhn et al). 2009;54:106–13
Goldflam K (*see* Platz et al). 2009;54:S88 (Research Forum abstracts)
Goldfrank L (*see* Dart et al). 2009;54:386–94 (Concepts)
Goldhaber SZ (*see* Piazza and Goldhaber). 2009; 54:49–52 (Editorial)
Goldstein JA (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)
Goldstein JN (*see* Thomas et al). 2009;54:S70 (Research Forum abstracts)
Goldstein R (*see* Stein et al). 2009;54:S69 (Research Forum abstracts)
Gómez HF (*see* Demircan et al). 2009;54:824–9 (Brief Research Report)
Gong J (*see* D'Amore et al). 2009;54:S143 (Research Forum abstracts)
González JA (*see* Vélez et al). 2009;54:S58 (Research Forum abstracts)
Gonzalez RG (*see* Thomas et al). 2009;54:S70 (Research Forum abstracts)
Goo R, Miller M, Coon TP. Provider compliance with the Food and Drug Administration recommendation to avoid the use of over the counter (nonprescription) cough and cold medications in children under two years old. 2009;54:S42 (Research Forum abstracts)
Goodgame BR (*see* Nomura et al). 2009;54:S34 (Research Forum abstracts)
Gorchynski JA, McLaughlin T. The routine use of local anesthetics in pediatric lumbar punctures: are we there yet? 2009;54:S129 (Research Forum abstracts)
Gordon BD (*see* Hoot et al). 2009;54:514–22
Gordon BD, Asplin BR, Flottemesch TJ. The electronic patient tracking board: as time goes by. 2009;54:138–9 (Correspondence reply)
Gordon JA (*see* Liu et al). 2009;54:381–5 (Brief research report)
Gordon JA (*see* Tsai et al). 2009;54:S2 (Research Forum abstracts)
Gorelick MH (*see* Drendel et al). 2009;54:553–60
Gorelick MH. Don't rush to judge: drawing conclusions about treatment based on observational studies. 2009;54:169–70 (Editorial)
Gorman SE (*see* Dart et al). 2009;54:386–94 (Concepts)
Gottesman B, Gutman A, Lindsell CJ, Larrabee H. Radiation exposure in emergency physicians working in an urban emergency department: a prospective cohort study. 2009;54:S40 (Research Forum abstracts)
Gough JE (*see* Plonk et al). 2009;54:S49 (Research Forum abstracts)
Gouin S (*see* Gravel et al). 2009;54:534–40
Govani R (*see* Sandoval et al). 2009;54:S127 (Research Forum abstracts)
Graham ID, Tetroe J, Gagnon M. Lost in translation: just lost or beginning to find our way? 2009;54:313–4 (Correspondence)
Granger C (*see* Glickman et al). 2009;54:S2 (Research Forum abstracts)
Grant W (*see* Lyng et al). 2009;54:S24 (Research Forum abstracts)
Grant WD (*see* Morley et al). 2009;54:S42 (Research Forum abstracts)
Grant WD (*see* Sarsfield et al). 2009;54:S90 (Research Forum abstracts)
Grant WD (*see* Scott et al). 2009;54:S48 (Research Forum abstracts)
Gravel J, Hedrei P, Grimard G, Gouin S. Prospective validation and head-to-head comparison of 3 ankle rules in a pediatric population. 2009;54:534–40
Green J. Effect of hyperlactatemia on the liklihood of in-patient mortality for patients with a normal and abnormal anion gap. 2009;54:S3 (Research Forum abstracts)
Green JP (*see* Das et al). 2009;54:S10 (Research Forum abstracts)
Green JP (*see* Rusczyk et al). 2009;54:S15 (Research Forum abstracts)
Green JP, Garg N, Berger T. Do non-English-speaking patients with an admitting diagnosis of pneumonia experience a systematic delay in time to antibiotics? 2009;54:S83 (Research Forum abstracts)
Green RS (*see* McIntyre and Green). 2009;54: 114–6 (Systematic review abstract)
Green SM. In reply. 2009;54:480–81 (Correspondence reply)
Green SM, Coté CJ. Ketamine and neurotoxicity: clinical perspectives and implications for emergency medicine. 2009;54:181–90 (Concepts)
Green SM, Roback MG, Krauss B, Brown L, McGlone RG, Agrawal D, McKee M, Weiss M, Pitetti RD, Hostetler MA, Wathen JE, Treston G, Garcia Pena BM, Gerber AC, Losek JD, for the Emergency Department Ketamine Meta-Analysis Study Group. Predictors of airway and respiratory adverse events with ketamine sedation in the emergency department: an individual-patient data meta-analysis of 8,282 children. 2009;54: 158–68
Green SM, Roback MG, Krauss B, Brown L, McGlone RG, Agrawal D, McKee M, Weiss M, Pitetti RD, Hostetler MA, Wathen JE, Treston G, Garcia Pena BM, Gerber AC, Losek JD, for the Emergency Department Ketamine Meta-Analysis Study Group. Predictors of emesis and recovery agitation with emergency department ketamine sedation: an individual-patient data meta-analysis of 8,282 children. 2009;54:171–80
Greenberg M (*see* Faccio et al). 2009;54:S124 (Research Forum abstracts)
Greenberg R (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Greenberg R (*see* Toofan et al). 2009;54:S63 (Research Forum abstracts)
Greene J. Nurse groups, administrators battle over mandatory nursing ratios: California law debated on national stage. 2009;54:31A–3A (Sep) (News & Perspective)
Greene T, Cho E, Shearer P. Is there a doctor in the house? The experience of medical students as responders to out-of-hospital emergency medical situations. 2009;54:S33 (Research Forum abstracts)
Greenfield EM, McManus J, Cooke WH, Pittman D, Shiver SA, Beatty J, Croushorn J, Schwartz R. Safety and efficacy of a novel abdominal aortic tourniquet device for the control of pelvic and lower extremity hemorrhage. 2009; 54:S62 (Research Forum abstracts)
Greenwald P (*see* Walker et al). 2009;54:S120 (Research Forum abstracts)
Gregory R (*see* Low et al). 2009;54:S111 (Research Forum abstracts)
Greller HA (*see* Gupta et al). 2009;54:857 (Correspondence)
Gresham C (*see* Levine et al). 2009;54:S114 (Research Forum abstracts)
Griffen D (*see* Agarwal et al). 2009;54:S61 (Research Forum abstracts)
Griffey R (*see* Liu et al). 2009;54:S66 (Research Forum abstracts)
Griffey RT (*see* Carpenter et al). 2009;54:S82 (Research Forum abstracts)
Griffey RT (*see* Hendry et al). 2009;54:S53 (Research Forum abstracts)
Griffey RT, Lo HG, Burdick E, Keohane C, Bates DW. Guided medication dosing for elderly emergency department patients using a real-time, computerized decision support tool. 2009;54:S83 (Research Forum abstracts)
Grimard G (*see* Gravel et al). 2009;54:534–40
Grines C (*see* Peacock et al). 2009;54:S2 (Research Forum abstracts)
Groeneveld P (*see* Gross and Groeneveld). 2009; 54:S30 (Research Forum abstracts)
Groft S (*see* Dart et al). 2009;54:386–94 (Concepts)
Groke S, Knapp S, Dawson M, Strate L, Stroud S, Davis V, Hartsell S, Madsen T. Evaluating applicants to a new emergency medicine residency program: characteristics of applicants who used the electronic residency application service *vs.* applicants who did not. 2009;54:S10 (Research Forum abstracts)
Groke S, Zink A, Bennett A, Knapp S, Phanthavady T, Madsen T. Factors predicting return visits among emergency department patients with psychiatric complaints. 2009;54: S46 (Research Forum abstracts)

Gross T, Groeneveld P. Cost-effectiveness analysis of out-of-hospital 12-lead electrocardiogram programs. 2009;54:S30 (Research Forum abstracts)
Grossman MD. The future of trauma surgery. 2009;54:479–80 (Correspondence)
Grove EL (*see* Løfgren et al). 2009;54:855 (Correspondence)
Gullett J (*see* Hosek and Gullett). 2009;54:328 (Images in Emergency Medicine)
Guluma K (*see* Morris and Guluma). 2009;54:S58 (Research Forum abstracts)
Gupta AK, Su MK, Greller HA, Lee DC, Chan GM. IV *versus* oral N-acetylcysteine. 2009;54:857 (Correspondence)
Gupta P (*see* Davis et al). 2009;54:S41 (Research Forum abstracts)
Gupta S (*see* Das et al). 2009;(*see* Singla et al). 2009;54:S10 (Research Forum abstracts); 54:S102 (Research Forum abstracts)
Gupta S, Anderson C, Henkel K, Garg N. The prevalence of tobacco and alcohol use in immigrant emergency department patients in Queens, NY. 2009;54:S20 (Research Forum abstracts)
Guss DA (*see* Chan et al). 2009;54:S97 (Research Forum abstracts); 54:279–84 (Brief research report)
Gutman A (*see* Gottesman et al). 2009;54:S40 (Research Forum abstracts)
Guyette F (*see* Shum et al). 2009;54:S21 (Research Forum abstracts)
Guyette F, Suffoletto B, Castillio J, Puyana J. Identification of occult shock using out-of-hospital lactate. 2009;54:S142 (Research Forum abstracts)
Guyette FX III (*see* Machi et al). 2009;54:S132 (Research Forum abstracts)
Guzman B (*see* Walker et al). 2009;54:S120 (Research Forum abstracts)

H

Ha J, Brickman K. Repetitive questions in the emergency department: patients' perspectives. 2009;54:S125 (Research Forum abstracts)
Haddock A (*see* Sasson et al). 2009;54:S140 (Research Forum abstracts)
Hafner JW (*see* Gaudio and Hafner). 2009;54:458–60 (Systematic review abstract)
Hafner JW (*see* Moody and Hafner). 2009;54:461–4 (Rational clinical examination abstract)
Hafner JW (*see* Tanabe et al). 2009;54:S14 (Research Forum abstracts)
Hahn B, Mace SE, Maher G, Harb G. Recombinant human hyaluronidase-facilitated subcutaneous vs intravenous hydration therapy in infants and children. 2009;54:S16 (Research Forum abstracts)
Hakimelahi R (*see* Thomas et al). 2009;54:S70 (Research Forum abstracts)
Hakmeh W (*see* Irvin et al). 2009;54:S90 (Research Forum abstracts)
Halberg MJ (*see* Baumann and Halberg). 2009;54:S71 (Research Forum abstracts)
Hall MK, Sabbaj A, Spiro D, Meckler GD. Optic nerve sheath ultrasound for the evaluation of children with suspected ventriculo-peritoneal shunt failure. 2009;54:S87 (Research Forum abstracts)
Halpern EJ (*see* Takakuwa et al). 2009;54:S13 (Research Forum abstracts)
Hamedani A (*see* Liu et al). 2009;54:S66 (Research Forum abstracts)
Hamedani AG (*see* Liu et al). 2009;54:381–5 (Brief research report)
Hamilton S (*see* Boucher et al). 2009;54:S113 (Research Forum abstracts)
Han C (*see* Choi et al). 2009;54:S93 (Research Forum abstracts)
Han C (*see* Moon et al). 2009;54:S132 (Research Forum abstracts)
Han JH (*see* Bryce et al). 2009;54:S80 (Research Forum abstracts)
Handel DA (*see* Camargo et al). 2009;54:S86 (Research Forum abstracts)
Handel DA (*see* Norton et al). 2009;54:S107 (Research Forum abstracts)
Handel DA, Boehland A, Ginde AA, Raja AS, Rogers J, Sullivan AF, Camargo CA. Implementation of crowding solutions from the American College of Emergency Physicians Task Force Report on Boarding. 2009;54:S51 (Research Forum abstracts)
Handel DA, Daya M, York J, Larson E, McConnell KJ. The use of scripting at triage and its impact on elopements. 2009;54:S95 (Research Forum abstracts)
Handel DA, Ma OJ, Workman J, McConnell KJ. The use of an expeditor and its impact on emergency department length of stay. 2009;54:S76 (Research Forum abstracts)
Handrigan MT (*see* Johnson and Handrigan). 2009;54:S63 (Research Forum abstracts)
Hanley O (*see* Prekker et al). 2009;54:S47 (Research Forum abstracts)
Hanlon D (*see* Marynowski et al). 2009;54:S141 (Research Forum abstracts)
Hannafin B, LoVecchio F, Rosenberg D. Commentary. 2009;54:471–2 (CDC Update)
Hannan H (*see* Ayvazyan et al). 2009;54:S102 (Research Forum abstracts)
Hannon M (*see* Calderon et al). 2009;54:S18 (Research Forum abstracts)
Hansen AV, Medak AJ, Campbell C, Nagdev A, Castillo EM. Emergency department bedside ultrasound measurement of caval index as non-invasive determination of low central venous pressure: a multi-center validation of an emergency department protocol. 2009;54:S69 (Research Forum abstracts)
Hansen KN, Marshall AJ, Heitmann A, Santiago MJ. Resident alertness, stress, and self-reported medical errors in an urban teaching hospital emergency department. 2009;54:S65 (Research Forum abstracts)
Hanson CE (*see* De Lorenzo et al). 2009;54:S99 (Research Forum abstracts)
Hanson CE (*see* Rubal et al). 2009;54:S99 (Research Forum abstracts)
Harb G (*see* Hahn et al). 2009;54:S16 (Research Forum abstracts)
Hardy L (*see* Holt et al). 2009;54:S53 (Research Forum abstracts)
Hariharan P, Kabrhel C. Does the Pulmonary Embolism Severity Index identify patients at risk for short term clinical deterioration? 2009;54:S23 (Research Forum abstracts)
Harper JB (*see* Lowman et al). 2009;54:S39 (Research Forum abstracts)
Harper JB, Barnard J, Munoz C, Baldwin D. The use of a subcutaneous insulin aspart protocol for the treatment of hyperglycemia in the emergency department: a randomized clinical trial. 2009;54:S60 (Research Forum abstracts)
Harrison D (*see* Chandra et al). 2009;54:S74 (Research Forum abstracts); 54:S133 (Research Forum abstracts)
Hartman O (*see* Peacock et al). 2009;54:S29 (Research Forum abstracts)
Hartsell S (*see* Groke et al). 2009;54:S10 (Research Forum abstracts)
Hassan G Jr (*see* Nibhanipudi and Hassan). 2009;54:S90 (Research Forum abstracts)
Hauda WE II (*see* Bozeman et al). 2009;54:311–2 (Correspondence reply)
Haukoos JS (*see* Ruygrok et al). 2009;54:239–47
Hawkins D (*see* Kiebel et al). 2009;54:S32 (Research Forum abstracts)
Hawkins D, Jones JS, Bush C. Penile fracture: evaluation and management. 2009;54:S28 (Research Forum abstracts)
Hawkins SC. The idea of order in the emergency department. 2009;54:298 (Change of Shift)
Hawkins T (*see* Melville et al). 2009;54:S121 (Research Forum abstracts)
Hayes BD (*see* Schwartz et al). 2009;54:421–3 (Case report)
Hayes WK (*see* Herbert and Hayes). 2009;54:830–6
Hayward G, Arora S, Menchine M. A health needs assessment conducted at the Kausay Wasi Clinic in Coya, Peru. 2009;54:S137 (Research Forum abstracts)
He L-S (*see* Wang et al). 2009;54:e10–e15 (Brief research report)
Headden G (*see* Saef et al). 2009;54:S4 (Research Forum abstracts)
Heard K (*see* Dart et al). 2009;54:386–94 (Concepts)
Heard K (*see* Schroeder et al). 2009;54:S49 (Research Forum abstracts)
Hebert K (*see* Cienki et al). 2009;54:S29 (Research Forum abstracts)
Hebig A (*see* River et al). 2009;54:S87 (Research Forum abstracts)
Hebig A (*see* Stein et al). 2009;54:33–40;
Heckman JD (*see* Pines et al). 2009;54:S75 (Research Forum abstracts)
Hedrei P (*see* Gravel et al). 2009;54:534–40
Heffelfinger JD (*see* White et al). 2009;54:56–64
Hegde GG (*see* Marynowski et al). 2009;54:S141 (Research Forum abstracts)
Hegde GG (*see* Venkat et al). 2009;54:S32 (Research Forum abstracts)
Hegg AJ (*see* Sen et al). 2009;54:S66 (Research Forum abstracts)
Heidt JW, Carpenter CR. Occult cognitive impairment in admitted older emergency department patients is not identified by admitting services. 2009;54:S81 (Research Forum abstracts)
Heilpern KL (*see* Andrews et al). 2009;54:640 (Correspondence reply)
Heins A. La clinica: a doctor's journey across borders. 2009;54:145 (Book and Media Reviews)
Heins A, Liang S, Richardson LD. Epidemiology of prolonged emergency department length of stay. 2009;54:S19 (Research Forum abstracts)
Heins A, Rask K, Houry D. Trends and disparities in emergency department asthma care, 1992–2006. 2009;54:S50 (Research Forum abstracts)
Heitmann A (*see* Hansen et al). 2009;54:S65 (Research Forum abstracts)
Heller M, Thoma TG. Unhelmeted motorcyclists: do they really cost us a dime? 2009;54:859 (Correspondence)

Hendey GW (*see* Chinnock et al). 2009;54:78–82 (Brief research report)
Hendry D, Wiler J, Poirier RF, Griffey RT, Farley HL, Zirkin W. Emergency Severity Index triage system correlation with emergency department evaluation and management billing codes. 2009;54:S53 (Research Forum abstracts)
Henkel K (*see* Gupta et al). 2009;54:S20 (Research Forum abstracts)
Henry MC (*see* Singer et al). 2009;54:S134 (Research Forum abstracts)
Henry MC (*see* Viccellio et al). 2009;54:487–91
Henzan N (*see* Shimizu et al). 2009;54:S94 (Research Forum abstracts)
Henzlova M (*see* Hermann et al). 2009;54:S8 (Research Forum abstracts)
Henzlova MJ (*see* Hermann et al). 2009;54:12–6 (Brief research report)
Herbert SS, Hayes WK. Denim clothing reduces venom expenditure by rattlesnakes striking defensively at model human limbs. 2009;54: 830–6
Hercula J (*see* Bastani et al). 2009;54:S8 (Research Forum abstracts)
Hermann LK, Weingart S, Yoon Y, Shearer P, Henzlova M, Duvall WL. Typical angina is not predictive of the presence of inducible cardiac ischemia in emergency department chest pain patients. 2009;54:S8 (Research Forum abstracts)
Hermann LK, Weingart SD, Duvall WL, Henzlova MJ. The limited utility of routine cardiac stress testing in emergency department chest pain patients younger than 40 years. 2009;54:12–6 (Brief research report)
Hernandez SH, Ghaffari G, Connors NJ, Howland MA, Hoffman RS. Regarding "Comparison of the 20-hour intravenous and 72-hour oral acetylcysteine protocols for the treatment of acute acetaminophen poisoning" by Yarema et al. 2009;54:856 (Correspondence)
Heselmans A (*see* Van de Velde et al). 2009;54: 447–57 (Critically appraised topic)
Hewitt P. Blood warrants in the emergency department. 2009;54:21A (Nov) (News & Perspective)
Hewitt P. "Health, Money and Fear": a one-emergency physician joust with the windmills of the health care industry. 2009;54:29A–30A (Sep) (News & Perspective)
Hexom B, Beattie L. Preliminary results of the survivors of torture presenting to an urban emergency department prevalence study. 2009; 54:S48 (Research Forum abstracts)
Hiestand BC (*see* Wall and Hiestand). 2009;54: S47 (Research Forum abstracts)
Hiestand BC. Evaluation of a heart failure mortality prediction model for post-discharge outcomes. 2009;54:S119 (Research Forum abstracts)
Higgins GL III (*see* Cochran et al). 2009;54:S31 (Research Forum abstracts);
Higgins GL III (*see* Little et al). 2009;54:S108 (Research Forum abstracts)
Higgins GL III (*see* Wells et al). 2009;54:S122 (Research Forum abstracts)
Hile D, Cashin B, Crouch R, Strode C. Asymptomatic bacteriuria: is the presence of microscopic bacteriuria without pyuria in asymptomatic pregnant females associated with positive urine culture? A retrospective cross-sectional study. 2009;54:S57 (Research Forum abstracts)
Hill C, Falvey D, McGill J, Miner JR. Time to successful intubation has a similar correlation to hypoxia as number of attempts in rapid sequence intubation. 2009;54:S137 (Research Forum abstracts)
Hill C, Falvey D, Reardon R. Effects of emergent intubation on pulse rate using three different medication regimens for rapid sequence intubation: a retrospective video review. 2009; 54:S138 (Research Forum abstracts)
Hill CH, McGill J, Reardon R, Falvey D. Intubator recall of hypoxia and number of attempts is often inaccurate compared to video review. 2009;54:S21 (Research Forum abstracts)
Hill J (*see* Pazo et al). 2009;54:S15 (Research Forum abstracts)
Hilliard M (*see* Beckmann et al). 2009;54:S125 (Research Forum abstracts)
Hilwig RW (*see* Bobrow et al). 2009;54:656–62
Hines D (*see* Farley et al). 2009;54:S96 (Research Forum abstracts)
Hirayama S (*see* Maekawa et al). 2009;54:S93 (Research Forum abstracts)
Hlibczuk V, Dattaro JA, Jin Z, Falzon L, Brown MD. Diagnostic accuracy of non-contrast computed tomography for appendicitis in adults: a systematic review. 2009;54:S31 (Research Forum abstracts)
Ho JD (*see* Lundin et al). 2009;54:S98 (Research Forum abstracts)
Ho JD, Dawes DM, Lundin EJ, Miner JR. Comparison of acidosis markers associated with law enforcement applications of force. 2009;54:S40 (Research Forum abstracts)
Hocker M (*see* Chandra et al). 2009;54:S74 (Research Forum abstracts); 54:S133 (Research Forum abstracts)
Hoekstra J (*see* Peacock et al). 2009;54:S2 (Research Forum abstracts)
Hoekstra JW, O'Neill BJ, Pride YB, Lefebvre C, Diercks DB, Peacock W, Fermann GJ, Gibson C, Pinto D, Giglio J, Chandra A, Cairns CB, Konstam MA, Massaro J, Krucoff M. Acute detection of ST-elevation myocardial infarction missed on standard 12-lead ECG with a novel 80-lead real-time digital body surface map: primary results from the multicenter OCCULT MI trial. 2009;54:779–88
Hoffman J (*see* O'Laughlin et al). 2009;54:S59 (Research Forum abstracts)
Hoffman JR (*see* Sun et al). 2009;54:769–78
Hoffman JR, Schriger DL. A graphic reanalysis of the NINDS trial. 2009;54:329–36
Hoffman RS (*see* Hernandez et al). 2009;54:856 (Correspondence)
Hoffman T (*see* Lewis et al). 2009;54:S50 (Research Forum abstracts)
Hohenstein C (*see* Platz et al). 2009;54:S88 (Research Forum abstracts)
Hohmann S (*see* Rumoro et al). 2009;54:S52 (Research Forum abstracts)
Holbrook-Emmons VL (*see* De Lorenzo et al). 2009;(*see* Rubal et al). 2009;54:S99 (Research Forum abstracts)
Hollander J (*see* Peacock et al). 2009;54:S7 (Research Forum abstracts)
Hollander JE (*see* Cruz et al). 2009;54:1–7
Hollander JE (*see* Pines et al). 2009;54:S75 (Research Forum abstracts)
Hollander JE (*see* Singer et al). 2009;54:S49 (Research Forum abstracts)
Hollander JE. The 80-lead ECG: more expensive NSTEMI or occult STEMI. 2009;54:789–90 (Editorial)
Hollinger M (*see* Shoenberger et al). 2009;54:S141 (Research Forum abstracts)
Hollinger M (*see* Urdang et al). 2009;54:S141 (Research Forum abstracts)
Holm M, Reardon R, Caroon L. Impact of image processing on the pleural sliding sign. 2009;54: S88 (Research Forum abstracts)
Holmes JF (*see* Nishijima and Holmes). 2009;54: S143 (Research Forum abstracts)
Holmes JF (*see* Peng and Holmes). 2009;54:S139 (Research Forum abstracts)
Holmes JF, Mao A, Awasthi S, McGahan JP, Wisner DH, Kuppermann N. Validation of a prediction rule for the identification of children with intra-abdominal injuries after blunt torso trauma. 2009;54:528–33
Holmes JF, Wisner DH, McGahan JP, Mower WR, Kuppermann N. Clinical prediction rules for identifying adults at very low risk for intra-abdominal injuries after blunt trauma. 2009; 54:575–84
Holt S, Hardy L, Mistry C, Kulstad E. Effect of an attending physician float shift to care for boarding patients in a crowded emergency department. 2009;54:S53 (Research Forum abstracts)
Holthaus CV, Cannon C, Elkin R, Nguyen HB. Can my severe sepsis and septic shock patients wait any longer? 2009;54:135–6 (Correspondence)
Hom J, Sinert R. Comparison between oral *versus* intravenous rehydration to treat dehydration in pediatric gastroenteritis. 2009;54:117–9 (Systematic review abstract)
Hong AL, Brozick A, Lam S, Parris M, Paine M, Flowers PW. Pharmacist implementation in the emergency department. 2009;54:S78 (Research Forum abstracts)
Hong Y (*see* Cho et al). 2009;54:S39 (Research Forum abstracts)
Hong Y (*see* Choi et al). 2009;54:S93 (Research Forum abstracts)
Hong Y (*see* Moon et al). 2009;54:S132 (Research Forum abstracts)
Hoot NR, Epstein SK, Allen TL, Jones SS, Baumlin KM, Chawla N, Lee AT, Pines JM, Klair AK, Gordon BD, Flottemesch TJ, LeBlanc LJ, Jones I, Levin SR, Zhou C, Gadd CS, Aronsky D. Forecasting emergency department crowding: an external, multicenter evaluation. 2009;54:514–22
Hoppe J (*see* Dart et al). 2009;54:386–94 (Concepts)
Hori S (*see* Suzuki et al). 2009;54:S29 (Research Forum abstracts)
Horwitz D, Schwarz E, Scott M, Lewis L. Glycemic control is improved in emergency department patients with an identifiable primary care provider. 2009;54:S121 (Research Forum abstracts)
Horwitz DA (*see* Anderson et al). 2009;54:S114 (Research Forum abstracts)

Horwitz LI, Parwani V, Shah NR, Schuur JD, Meredith T, Jenq GY, Kulkarni RG. Evaluation of an asynchronous physician voicemail sign-out for emergency department admissions. 2009;54:368–78
Hosek WT, Gullett J. Adult female with abdominal pain. 2009;54:328 (Images in Emergency Medicine)
Hoslter DP III (*see* Machi et al). 2009;54:S132 (Research Forum abstracts)
Hostetler MA (*see* Green et al). 2009;54:158–68; 54:171–80
Houry D (*see* Heins et al). 2009;54:S50 (Research Forum abstracts)
House H (*see* Boeke and House). 2009;54:S61 (Research Forum abstracts)
House H, Young R, DeRoo E. Penetration of board certified emergency physicians into rural emergency departments in Iowa. 2009;54:S64 (Research Forum abstracts)
Houston C (*see* Okafor et al). 2009;54:S136 (Research Forum abstracts)
Howard Z (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Howell J (*see* Davis et al). 2009;(*see* Place et al). 2009;54:S36 (Research Forum abstracts); 54: S74 (Research Forum abstracts)
Howland MA (*see* Hernandez et al). 2009;54:856 (Correspondence)
Hsia R (*see* Ravikumar and Hsia). 2009;54:S64 (Research Forum abstracts)
Hsia RY, Shen Y. Accidents waiting to happen: decreasing access to emergency departments in rural areas in the U.S. 2001–2005. 2009;54: S85 (Research Forum abstracts)
Hsiao AL (*see* Landman et al). 2009;54:S108 (Research Forum abstracts)
Hsieh M (*see* Seftchick et al). 2009;54:763–8
Hsieh Y (*see* Morton et al). 2009;54:S123 (Research Forum abstracts)
Hu P (*see* Sen et al). 2009;54:S96 (Research Forum abstracts); 54:S143 (Research Forum abstracts)
Huang C (*see* Liteplo et al). 2009;54:S67 (Research Forum abstracts)
Huang Y (*see* Liu and Huang). 2009;54:S119 (Research Forum abstracts)
Huebner K (*see* Olderog et al). 2009;54:S105 (Research Forum abstracts)
Humphrey A (*see* Waseem et al). 2009;54:S41 (Research Forum abstracts)
Humphries F (*see* Bloch et al). 2009;54:S102 (Research Forum abstracts)
Hunt-Walch R (*see* Bastani et al). 2009;54:S8 (Research Forum abstracts); 54:S73 (Research Forum abstracts)
Huston J III (*see* Stead et al). 2009;54:S110 (Research Forum abstracts)
Huszti E (*see* Nichol et al). 2009;54:226–35
Hutson HR (*see* Strote and Hutson). 2009;54: 310–1 (Correspondence)
Hypes S (*see* Matthews et al). 2009;54:S77 (Research Forum abstracts)

I

İbili İ (*see* Dizen et al). 2009;54:134–5 (Correspondence)
Ilgen J (*see* Shear et al). 2009;54:S128 (Research Forum abstracts)
Illston B, Lyon M, Caudell MJ, DiCarlo J. Intra-articular foreign body evaluation: ultrasound *versus* fluoroscopy. 2009;54:S89 (Research Forum abstracts)
Illuzzi F (*see* Bradley et al). 2009;54:S135 (Research Forum abstracts)
Imamura T, Ohta B, Tanaka E, Branch J. Prognosis of urosepsis patients who are treated by inappropriate initial antimicrobial therapy in the emergency department. 2009;54:S38 (Research Forum abstracts)
Inoue Y (*see* Ode et al). 2009;54:S119 (Research Forum abstracts)
Iqbal E (*see* O'Laughlin et al). 2009;54:S59 (Research Forum abstracts)
Irvin CB (*see* Duemling and Irvin). 2009;54:S124 (Research Forum abstracts)
Irvin CB (*see* Irvin et al). 2009;54:S25 (Research Forum abstracts)
Irvin CB, Eadeh H, Ma M. Frequency of preschoolers positive for drugs or alcohol after suffering traumatic injuries. 2009;54:S43 (Research Forum abstracts)
Irvin CB, Hakmeh W, Fox JM. Does insurance status make a difference in pediatric trauma patients? 2009;54:S90 (Research Forum abstracts)
Irvin CB, Kott I, Abuel V. Has grandma been drinking? 2009;54:S83 (Research Forum abstracts)
Irvin CB, Messman A, Parikh S, Nigl J. In a major disaster, how do you allocate hospital resources? 2009;54:S123 (Research Forum abstracts)
Irvin CB, Walters J, Sills R. Should the deeply comatose trauma patient be intubated by EMS? 2009;54:S77 (Research Forum abstracts)
Irvin MM, Meisner C, Nouhan PP, Irvin CB. Risk of death in emergency department patients needing intubation. 2009;54:S25 (Research Forum abstracts)
Isaacs M (*see* Black et al). 2009;54:S77 (Research Forum abstracts)
Isbister GK (*see* van Gorp et al). 2009;54:404–8 (Brief research report)
Ishioka N (*see* Bastani et al). 2009;54:S8 (Research Forum abstracts)
Isserman JA (*see* Pines et al). 2009;54:S75 (Research Forum abstracts)
Ito S (*see* Low et al). 2009;54:S111 (Research Forum abstracts)

J

Jackson R (*see* Lipe et al). 2009;54:S57 (Research Forum abstracts)
Jacob J (*see* Ferre et al). 2009;54:S38 (Research Forum abstracts)
Jacobs C (*see* Low et al). 2009;54:S111 (Research Forum abstracts)
Jacoby V (*see* Stein et al). 2009;54:S69 (Research Forum abstracts)
Jacups SP (*see* Nickson et al). 2009;54:395–403
Jain A (*see* Agarwal et al). 2009;54:S118 (Research Forum abstracts)
Jain A (*see* Manivannan et al). 2009;54:S113 (Research Forum abstracts)
Jain A (*see* Odufuye et al). 2009;54:S72 (Research Forum abstracts)
Jain A (*see* Subhan et al). 2009;54:S100 (Research Forum abstracts)
Jain A (*see* Veena et al). 2009;54:S112 (Research Forum abstracts)
Jain A, Bellolio M, Odufuye AO, Dhillon RK, Manivannan V, Yerragondu N, Palamari B, Gilmore RM, Decker WW, Stead LG. Do not resuscitate orders in spontaneous non-traumatic intra-cerebral hemorrhage: what is the difference? 2009;54:S112 (Research Forum abstracts)
Jain A, Bellolio M, Palamari B, Odufuye AO, Dhillon RK, Manivannan V, Gilmore RM, Decker WW, Stead LG. Anti-coagulant, anti-platelet use in intra-cerebral hemorrhage patients: does reversal of international normalized ratio translate to improved outcome? 2009;54:S112 (Research Forum abstracts)
Jain A, Serrano LA, Bellolio M, Agarwal D, Sandefur BJ, Stead LG, Decker WW. Initial troponin as a predictor of adverse outcome in patients with syncope. 2009;54:S117 (Research Forum abstracts)
Jain AR (*see* Stead et al). 2009;54:S110 (Research Forum abstracts); 54:S111 (Research Forum abstracts)
Jain S (*see* Lowman et al). 2009;54:S39 (Research Forum abstracts)
Jang J, Park T, Lee D, Lee S, Kim S, Kim C. Comparison of chest compression quality between the floor and the bed using backboard. 2009;54:S139 (Research Forum abstracts)
Jasani N (*see* Farley et al). 2009;54:S96 (Research Forum abstracts)
Jeanmonod D (*see* Damewood et al). 2009;54:S45 (Research Forum abstracts); 54:S70 (Research Forum abstracts)
Jeanmonod D (*see* Perry et al). 2009;54:S27 (Research Forum abstracts)
Jeanmonod R (*see* Barcomb et al). 2009;54:S11 (Research Forum abstracts);
Jeanmonod R (*see* Brook et al). 2009;54:S5 (Research Forum abstracts)
Jeanmonod R (*see* Damewood et al). 2009; 54:S45 (Research Forum abstracts)
Jeanmonod R (*see* Perry et al). 2009;54:S27 (Research Forum abstracts)
Jeanmonod R. Night shift. 2009;54:754–5 (Change of Shift)
Jeanmonod R. On surgeons and doughnuts. 2009; 54:475 (Change of Shift)
Jenkins CA (*see* Barrett et al). 2009;54:S1 (Research Forum abstracts)
Jenq GY (*see* Horwitz et al). 2009;54:368–78
Jeong J (*see* Kim et al). 2009;54:S92 (Research Forum abstracts)
Jeong K (*see* Machi et al). 2009;54:S132 (Research Forum abstracts)
Jerusik B (*see* Schroeder et al). 2009;54:S49 (Research Forum abstracts)
Jin Z (*see* Hlibczuk et al). 2009;54:S31 (Research Forum abstracts)
Ji sook L Sr (*see* You and Ji sook). 2009;54:S35 (Research Forum abstracts)
Johannigman JA (*see* Raja et al). 2009;54:S123 (Research Forum abstracts)
Johnson DW (*see* Yarema et al). 2009;54:606–14; 54:85 (Correspondence Reply)
Johnson KA, Handrigan MT. Accountability, transparency, and interoperability: developing a database of Federal efforts in emergency medical care. 2009;54:S63 (Research Forum abstracts)
Johnson M (*see* Moffett et al). 2009;54:S122 (Research Forum abstracts)

Jois-Bilowich P (*see* Peacock et al). 2009;54:S2 (Research Forum abstracts)
Jollis J (*see* Glickman et al). 2009;54:S2 (Research Forum abstracts)
Jones I (*see* Hoot et al). 2009;54:514–22
Jones JS (*see* Albert et al). 2009;54:S133 (Research Forum abstracts)
Jones JS (*see* Burger et al). 2009;54:S93 (Research Forum abstracts)
Jones JS (*see* Gilmer et al). 2009;54:S70 (Research Forum abstracts)
Jones JS (*see* Hawkins et al). 2009;54:S28 (Research Forum abstracts)
Jones JS (*see* Kiebel et al). 2009;54:S32 (Research Forum abstracts)
Jones JS (*see* Oostema et al). 2009;54:S27 (Research Forum abstracts)
Jones JS (*see* Oosterhouse et al). 2009;54:S32 (Research Forum abstracts)
Jones JS (*see* Rechtin et al). 2009;54:S92 (Research Forum abstracts)
Jones R (*see* Kehrl and Jones). 2009;54:e16–e17 (Images in Emergency Medicine)
Jones SS (*see* Hoot et al). 2009;54:514–22
Jordan BS (*see* De Lorenzo et al). 2009;54:S99 (Research Forum abstracts)
Jordan BS (*see* Rubal et al). 2009;54:S99 (Research Forum abstracts)
Jordan MT (*see* Klope et al). 2009;54:S46 (Research Forum abstracts)
Jordan S (*see* Sen et al). 2009;54:S143 (Research Forum abstracts)
Joseph J (*see* Bebarta et al). 2009;54:S59 (Research Forum abstracts)
Joshi M (*see* Subhan et al). 2009;54:S100 (Research Forum abstracts)
Joyce M (*see* Phelan et al). 2009;54:S19 (Research Forum abstracts)
Juan A (*see* Ferre et al). 2009;54:S38 (Research Forum abstracts)
Judge T (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Jule M (*see* O'Neill et al). 2009;54:S25 (Research Forum abstracts)
Jutkiewicz EM, Baladi MG, Cooper ZD, Narasimhan D, Sunahara RK, Woods JH. A bacterial cocaine esterase protects against cocaine-induced epileptogenic activity and lethality. 2009;54:409–20

K

Kaban J (*see* Barata et al). 2009;54:S131 (Research Forum abstracts)
Kabrhel C (*see* Beam et al). 2009;54:147–52
Kabrhel C (*see* Hariharan and Kabrhel). 2009;54:S23 (Research Forum abstracts)
Kacprowicz RF (*see* Robinson et al). 2009;54:S107 (Research Forum abstracts)
Kahn C. Commentary. 2009;54:604–5 (NHTSA Notes)
Kahn CA, Schultz CH, Miller KT, Anderson CL. Does START triage work? An outcomes assessment after a disaster. 2009;54:424–30
Kairam N (*see* Bloomer et al). 2009;54:S115 (Research Forum abstracts)
Kairam N, Allegra JR, Eskin B. A rise in emergency department visits of pediatric patients for renal colic from 1999–2008. 2009;54:S91 (Research Forum abstracts)
Kaji AH (*see* Salvucci et al). 2009;54:S62 (Research Forum abstracts)
Kalynych CJ (*see* McIntosh et al). 2009;54:585–92
Kaminski A (*see* McIntosh et al). 2009;54:585–92
Kamoshida H (*see* Shimizu et al). 2009;54:S94 (Research Forum abstracts)
Kampe LM (*see* Roberts et al). 2009;54:S85 (Research Forum abstracts)
Kane B (*see* Murphy et al). 2009;54:S126 (Research Forum abstracts)
Kang C (*see* Moffett et al). 2009;54:S122 (Research Forum abstracts)
Kania R (*see* Levine et al). 2009;54:S114 (Research Forum abstracts)
Kaplan SL (*see* Schultz et al). 2009;54:136–7 (Correspondence)
Karadeniz O (*see* Bektas et al). 2009;54:568–74
Karaelias LD, Takhar SS. Commentary. 2009;54:85 (CDC Update)
Kassem JN (*see* Scott et al). 2009;54:S48 (Research Forum abstracts)
Katz B (*see* Weinstein et al). 2009;54:S23 (Research Forum abstracts)
Katz D (*see* Torbati et al). 2009;54:S73 (Research Forum abstracts)
Katz GR, Schwaab J, Pestrue J, Moseley MG, Caterino J. Customer service and communication training initiative for emergency physicians improves patient satisfaction despite crowding in the emergency department. 2009;54:S96 (Research Forum abstracts)
Katz M (*see* Chan et al). 2009;54:S72 (Research Forum abstracts)
Kaushal R (*see* Tsai et al). 2009;54:S2 (Research Forum abstracts)
Kaye E (*see* McQueen et al). 2009;54:191–7
Kayyali H (*see* Bastani et al). 2009;54:S73 (Research Forum abstracts)
Kazzi Z (*see* Dell'Aglio et al). 2009;54:818–23 (Review Article)
Keadey MT (*see* Camargo et al). 2009;54:S86 (Research Forum abstracts)
Keay CR (*see* Klug et al). 2009;54:701–3 (Case Report)
Keeling TN (*see* Carpenter et al). 2009;54:S82 (Research Forum abstracts)
Kehrl T, Jones R. Adult female with weakness and chills. 2009;54:e16–e17 (Images in Emergency Medicine)
Kelen GD (*see* Morton et al). 2009;54:S123 (Research Forum abstracts)
Kelen GD, Rothman RE. Emergency department–based HIV testing: too little, but not too late. 2009;54:65–71 (Editorial)
Keleş A (*see* Demircan et al). 2009;54:824–9 (Brief research report)
Kellermann AL (*see* McNally et al). 2009;54:674–83 (Concepts)
Kellogg AR (*see* Mader et al). 2009;54:S140 (Research Forum abstracts)
Kelly HA (*see* Riddell et al). 2009;54:639–40 (Correspondence)
Kelly JJ (*see* Cheung et al). 2009;54:S133 (Research Forum abstracts)
Kendall JL (*see* Laselle et al). 2009;54:e8–e9 (Images in Emergency Medicine)
Kennedy R (*see* McNaughton et al). 2009;54:214–20
Keohane C (*see* Griffey et al). 2009;54:S83 (Research Forum abstracts)
Kern KB (*see* Bobrow et al). 2009;54:656–62
Kessler A (*see* Lowman et al). 2009;54:S39 (Research Forum abstracts)
Kessler HA (*see* Lowman et al). 2009;54:S39 (Research Forum abstracts)
Khan MA (*see* Chandra et al). 2009;54:S72 (Research Forum abstracts)
Khan T, Melniker LA. Prospective observational trial of carotid intima-media thickness in the evaluation of patients with acute chest pain. 2009;54:S118 (Research Forum abstracts)
Khandwala Y (*see* Delgado et al). 2009;54:S20 (Research Forum abstracts)
Khine L (*see* Slattery et al). 2009;54:S56 (Research Forum abstracts)
Kido MM (*see* McQueen et al). 2009;54:191–7
Kiebel W, Hawkins D, Meyers L, Ray D, Jones JS. Management of the bariatric surgery patient in the emergency department. 2009;54:S32 (Research Forum abstracts)
Kiefer CS, Colletti JE, Bellolio M, Thomas KB, Woolridge DP. When "good" is below average. 2009;54:S9 (Research Forum abstracts)
Killeen JP. 54:279–84 (Brief research report)
Killeen JP (*see* Chan et al). 2009;54:S97 (Research Forum abstracts)
Killeen JP (*see* Vilke et al). 2009;54:S120 (Research Forum abstracts)
Kimberly H (*see* Liteplo et al). 2009;54:S67 (Research Forum abstracts)
Kimberly H, Murray A, Mennicke M, Ngoma B, Chisanga C, Ngoma E, Tyer-Viola L, Ahn R, Liteplo A, Burke T, Noble VE. Teaching focused obstetric ultrasound to midwives in rural Zambia. 2009;54:S87 (Research Forum abstracts)
Kim C (*see* Jang et al). 2009;54:S139 (Research Forum abstracts)
Kim D (*see* Choi et al). 2009;54:S95 (Research Forum abstracts)
Kim D (*see* Kim et al). 2009;54:S86 (Research Forum abstracts)
Kim D (*see* Lee et al). 200954:S96 (Research Forum abstracts)
Kim D, Lee Y, Lee J, Jeong J, Kim J, Choi M. Perceptions and practices of fever: survey for parents with febrile child visiting pediatric emergency department. 2009;54:S92 (Research Forum abstracts)
Kim J (*see* Cho et al). 2009;54:S39 (Research Forum abstracts);
Kim J (*see* Choi et al). 2009;54:S93 (Research Forum abstracts); 54:S95 (Research Forum abstracts)
Kim J (*see* Kim et al). 2009;54:S92 (Research Forum abstracts)
Kim J, Choi H, Shin S, Kim D, Cha W. Association between emergency department crowding on the appropriateness of resuscitation room utilization: an expert panel study in a single emergency center. 2009;54:S86 (Research Forum abstracts)
Kim MK (*see* Drendel et al). 2009;54:553–60
Kim S. Effects of the low dose radiation on nerve cells as a method to increase the survival rate of emergency patients. 2009;54:S24 (Research Forum abstracts)
Kim S (*see* Choi et al). 2009;54:S93 (Research Forum abstracts)
Kim S (*see* Jang et al). 2009;54:S139 (Research Forum abstracts)
Kimura A (*see* Nagata and Kimura). 2009;54:S40 (Research Forum abstracts)
King B (*see* Abello et al). 2009;54:S97 (Research Forum abstracts)
King J (*see* Virk et al). 2009;54:S39 (Research Forum abstracts)
King MC (*see* Kline et al). 2009;54:41–8

King R (*see* Wong et al). 2009;54:S114 (Research Forum abstracts)
Kinsella K, Baraff LJ. Initiation of therapy for asymptomatic hypertension in the emergency department. 2009;54:791 (Editorial)
Kinsella K, Baraff LJ. Managing non-emergent blood pressure elevation in the emergency department. 2009;54:791 (Clinical Controversies)
Kirsch TD (*see* Morton et al). 2009;54:S123 (Research Forum abstracts)
Kitahara H (*see* Umezawa et al). 2009;54:S80 (Research Forum abstracts)
Kiviniemi V (*see* Leppikangas et al). 2009;54:811–7
Kjar D (*see* Drigalla et al). 2009;54:S138 (Research Forum abstracts)
Kjar D (*see* Toofan et al). 2009;54:S63 (Research Forum abstracts)
Klair AK (*see* Hoot et al). 2009;54:514–22
Kleaveland J (*see* Miller et al). 2009;54:S30 (Research Forum abstracts)
Kleinschmidt K (*see* Wong et al). 2009;54:S114 (Research Forum abstracts)
Kline J (*see* Stiffler et al). 2009;54:S5 (Research Forum abstracts)
Kline JA (*see* Beam et al). 2009;54:147–52
Kline JA, Courtney DM, Beam DM, King MC, Steuerwald M. Incidence and predictors of repeated computed tomographic pulmonary angiography in emergency department patients. 2009;54:41–8
Klope JL, Jordan MT, French SC, Burkard W. Psychiatric transfers from the emergency department: factors associated with length of stay. 2009;54:S46 (Research Forum abstracts)
Klug CD, Keay CR, Ginde AA. Fatal toxic shock syndrome from an intrauterine device. 2009; 54:701–3 (Case report)
Knapp S (*see* Groke et al). 2009;54:S10 (Research Forum abstracts); 54:S46 (Research Forum abstracts)
Koç M (*see* Dizen et al). 2009;54:134–5 (Correspondence)
Kochert E (*see* Sierzenski et al). 2009;54:S68 (Research Forum abstracts)
Kofler J (*see* Thompson et al). 2009;54:S12 (Research Forum abstracts)
Kohlhoff SA (*see* Fertel et al). 2009;54:S3 (Research Forum abstracts)
Kohn M (*see* Stein et al). 2009;54:S69 (Research Forum abstracts)
Koita J (*see* Rabin et al). 2009;54:S84 (Research Forum abstracts)
Koller M (*see* Martens et al). 2009;54:S123 (Research Forum abstracts)
Kondamudi N (*see* Mir et al). 2009;54:S91 (Research Forum abstracts)
Kondamudi N, Bai H, Thumalapalli M, Rawstron S. Spectrum of bacterial pathogens seen in a community pediatric emergency department. 2009;54:S91 (Research Forum abstracts)
Kondamudi N, Patel T, Tatachar P. Parental expectation to receive anti-tussive medications for their coughing children presenting to the emergency department: impact on satisfaction. 2009;54:S132 (Research Forum abstracts)
Kondamudi N, Raghuthaman T, VinZant E, Ramakrishnan P, Tatachar P. Cardiovascular abnormalities among children presenting with chest pain to a community hospital and compliance to follow-up. 2009;54:S132 (Research Forum abstracts)
Koneru S (*see* Agarwal et al). 2009;54:S61 (Research Forum abstracts)
Konstam MA (*see* Hoekstra et al). 2009;54:779–88
Konzelmann J (*see* McIntosh et al). 2009;54:585–92
Kott I (*see* Irvin et al). 2009;54:S83 (Research Forum abstracts)
Ko Y-C (*see* Chou et al). 2009;54:757–8 (Correspondence)
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Kraft P (*see* Bastani et al). 2009;54:S8 (Research Forum abstracts)
Kramer S (*see* Chan et al). 2009;54:S72 (Research Forum abstracts)
Krarup NH (*see* Løfgren et al). 2009;54:855 (Correspondence)
Krauss B (*see* Green et al). 2009;54:158–68; 54: 171–80
Krauss B (*see* McQueen et al).2009;54:191–7
Krieg C, Samlan SR, Chan SB. Fishing-related infections in the United States. 2009;54:S94 (Research Forum abstracts)
Kripalani S (*see* Bryce et al). 2009;54:S80 (Research Forum abstracts)
Krucoff M (*see* Hoekstra et al). 2009;54:779–88;
Krucoff M (*see* Peacock et al). 2009;54:S2 (Research Forum abstracts)
Krueger A (*see* Adhikari et al). 2009;54:S89 (Research Forum abstracts)
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Krueger K (*see* Albert et al). 2009;54:S133 (Research Forum abstracts)
Kuhfahl K (*see* Levitan et al). 2009;54:636–7 (Correspondence)
Kuhn G, Goldberg R, Compton S. Tolerance for uncertainty, burnout, and satisfaction with the career of emergency medicine. 2009;54:106–13
Kulkarni RG (*see* Horwitz et al). 2009;54:368–78
Kulstad E (*see* Holt et al). 2009;54:S53 (Research Forum abstracts)
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Kwon A (*see* Shah et al). 2009;54:S82 (Research Forum abstracts)

L

Laack N (*see* Thompson et al). 2009;54:S12 (Research Forum abstracts)
Laack T (*see* Thompson et al). 2009;54:S12 (Research Forum abstracts)
Labat M (*see* Wong et al). 2009;54:S114 (Research Forum abstracts)
Ladde J, Bullard T, Papa L. The impact of declining emergency department subspecialty availability. 2009;54:S84 (Research Forum abstracts)
Ladde J, Wan M, Baker S, Rodgers N, Carballo N, Papa L. Does a novel abscess drainage technique differ in procedural times and times to discharge from traditional incision and drainage at a level I pediatric trauma center? 2009;54:S42 (Research Forum abstracts)
Lagina A III, Sullivan J. Combination therapy for ischemic brain injury after cardiac arrest. 2009; 54:S117 (Research Forum abstracts)
Lairet J (*see* Miller et al). 2009;54:S140 (Research Forum abstracts)
Lam L (*see* Wang et al). 2009;54:S99 (Research Forum abstracts)
Lam S (*see* Hong et al). 2009;54:S78 (Research Forum abstracts)
Lamba S (*see* Low et al). 2009;54:S111 (Research Forum abstracts)
Lamba S (*see* Scott et al). 2009;54:S48 (Research Forum abstracts)
Lamba S, Gluckman W, Nagurka R, Rosania A, Bechmann S, Langley DJ, Scott S, Compton S. Initial out-of-hospital end-tidal carbon dioxide measurements in adult asthmatic patients. 2009;54:S51 (Research Forum abstracts)
Lambert L (*see* Frazee et al). 2009;54:695–700 (Brief research report)
LaMonte MP, Bahouth MN, Magder LS, Alcorta RL, Bass RR, Browne BJ, Floccare DJ, Gaasch WR, for the Emergency Medicine Network of the Maryland Brain Attack Center. A regional system of stroke care provides thrombolytic outcomes comparable with the NINDS stroke trial. 2009;54:319–27 (Concepts)
Landman AB, Bernstein SL, Hsiao AL, Desai RA. Emergency department information system adoption in the United States. 2009;54:S108 (Research Forum abstracts)
Landon BE (*see* Smulowitz et al). 2009;54:S84 (Research Forum abstracts)
Lang ES, Montori VM. Contrasting agendas: science for the bedside or water in the wind? 2009;54:123–5 (Editorial)
Langley DJ (*see* Lamba et al). 2009;54:S51 (Research Forum abstracts)
Lansburg J (*see* Levine et al). 2009;54:S114 (Research Forum abstracts)
Lapoint JM (*see* Morley et al). 2009;54:S42 (Research Forum abstracts)
Larkin G, Beautrais A, Meredith T, Tabakakis K. TXT Rx: using health information technology to safely discharge suicidal patients from the emergency department. 2009;54:S127 (Research Forum abstracts)
Larrabee H (*see* Gottesman et al). 2009;54:S40 (Research Forum abstracts)
Larson B, Beal A, Ahari A, Russell S, Freeman K. Beta-adrenergic blockade prevents myocardial oxidative stress due to traumatic brain injury. 2009;54:S142 (Research Forum abstracts)
Larson E (*see* Handel et al). 2009;54:S95 (Research Forum abstracts)
Laselle B, Devey JS, Kendall JL. Female with right lower quadrant abdominal pain. 2009;54:e8–e9 (Images in Emergency Medicine)
Lau WB. Inhibition of Trx nitrative modification as a means of attenuating myocardial ischemia/reperfusion injury in a diabetic model. 2009; 54:S116 (Research Forum abstracts)
Lavonas E (*see* Dart et al). 2009;54:386–94 (Concepts)
Layman K (*see* Neuner et al). 2009;54:S131 (Research Forum abstracts)

Layman K (*see* Phillips et al). 2009;54:S101 (Research Forum abstracts)
Lazarus J (*see* Bastani et al). 2009;54:S8 (Research Forum abstracts)
Leber M (*see* Baquero et al). 2009;54:S18 (Research Forum abstracts)
LeBlanc LJ (*see* Hoot et al). 2009;54:514–22
Lech C (*see* Egan and Lech). 2009;54:S106 (Research Forum abstracts)
Lee AT (*see* Hoot et al). 2009;54:514–22
Lee D (*see* Jang et al). 2009;54:S139 (Research Forum abstracts)
Lee DC (*see* Gupta et al). 2009;54:857 (Correspondence)
Lee H-H (*see* Chou et al). 2009;54:757–8 (Correspondence)
Lee J (*see* Choi et al). 2009;54:S95 (Research Forum abstracts)
Lee J (*see* Kim et al). 2009;54:S92 (Research Forum abstracts)
Lee J (*see* McCarthy et al). 2009;54:492–503
Lee J, Choi H, Shin S, Kim D, Ro Y. Validation of modified Emergency Severity Index version 4. 2009;54:S96 (Research Forum abstracts)
Lee JS (*see* Yarema et al). 2009;54:606–14
Lee K (*see* Bradley et al). 2009;54:S135 (Research Forum abstracts)
Lee MH, Mello MJ, Reinert S. Emergency department charges for evaluating minimally injured alcohol-impaired drivers. 2009;54: 593–9
Lee S (*see* Cho et al). 2009;54:S39 (Research Forum abstracts)
Lee S (*see* Jang et al). 2009;54:S139 (Research Forum abstracts)
Lee S (*see* Moon et al). 2009;54:S132 (Research Forum abstracts)
Lee T (*see* Ode et al). 2009;54:S119 (Research Forum abstracts)
Lee Y (*see* Kim et al). 2009;54:S92 (Research Forum abstracts)
Lees M (*see* Vaillancourt et al). 2009;54:663–71
Lefebvre C (*see* Hoekstra et al). 2009;54:779–88
Lei D-L (*see* Wang et al). 2009;54:e10–e15 (Brief research report)
Leider J (*see* Calderon et al). 2009;54:S18 (Research Forum abstracts)
Lemyze M, Chaaban R, Collet F. Psychotic woman with painful abdominal distension. 2009;54:756 (Images in Emergency Medicine)
Leonard D (*see* Cichon et al). 2009;54:198–204 (Concepts)
Leppikangas H, Ruokonen E, Rutanen J, Kiviniemi V, Lindgren L, Kurola J. Levosimendan as a rescue drug in experimental propranolol-induced myocardial depression: a randomized study. 2009;54:811–7
Leung A (*see* Mirhadi et al). 2009;54:S27 (Research Forum abstracts)
Leung L, Manini A, Wilson D. Fatal toxicity from nucleoside reverse transcriptase inhibitor use: factors implicated with symptomatic hyperlactemia emergencies. 2009;54:S115 (Research Forum abstracts)
Lev R, Castillo EM, Vilke GM, Chan TC. Multicenter study of left without treatment rates from emergency departments serving a large metropolitan region. 2009;54:S86 (Research Forum abstracts)
Levin SR (*see* Hoot et al). 2009;54:514–22
Levin SR (*see* McCarthy et al).2009;54:492–503
Levine AC (*see* Nelson et al). 2009;54:S34 (Research Forum abstracts)
Levine AC, Shah S, Noble VE, Epino H. Ultrasound assessment of dehydration in children with gastroenteritis. 2009;54:S91 (Research Forum abstracts)
Levine M, Gresham C, Brooks DE, Lansburg J, Kania R, Thomas SH. Acid base status as a predictor of severity in salicylate toxicity. 2009; 54:S114 (Research Forum abstracts)
Levine M, Ruha A-M. Buprenorphine withdrawal in a toddler. 2009;54:477–8 (Correspondence)
Levine SR (*see* Chan et al). 2009;54:S72 (Research Forum abstracts)
Levine SR (*see* Moskowitz et al). 2009;54:S71 (Research Forum abstracts)
Levitan RM, Bortle CD, Snyder TA, Nitsch DA, Pisaturo JT, Butler KH. Use of a battery-operated needle driver for intraosseous access by novice users: skill acquisition with cadavers. 2009;54:692–4 (Brief research report)
Levitan RM, Vanderbeek P, Kuhfahl K. Performance failure of a colorimetric end-tidal CO_2 detector. 2009;54:636–7 (Correspondence)
Levy H (*see* Rhodes et al). 2009;54:272–8
Levy P (*see* Sherwin et al). 2009;54:S56 (Research Forum abstracts)
Lewandrowski E (*see* Peacock et al). 2009;54:S7 (Research Forum abstracts)
Lewis K (*see* Chandra et al). 2009;54:S120 (Research Forum abstracts)
Lewis L (*see* Dziuba et al). 2009;54:S135 (Research Forum abstracts)
Lewis L (*see* Horwitz et al). 2009;54:S121 (Research Forum abstracts)
Lewis L, Dziuba D. Major barriers to follow-up of emergency department patients at federally funded clinics: metropolitan-wide survey pilot data. 2009;54:S66 (Research Forum abstracts)
Lewis L, Theodoro D, Purim-Shem-Tov Y, Mosnaim G, Sepulveda P, Staats P, Hoffman T. Percutaneous vagal electrical stimulation for severe asthma. 2009;54:S50 (Research Forum abstracts)
Lewiss RE (*see* Saul et al). 2009;54:S68 (Research Forum abstracts)
Li J (*see* Das et al). 2009;54:S28 (Research Forum abstracts)
Li J (*see* Wang et al). 2009;54:S99 (Research Forum abstracts)
Li JT (*see* Manivannan et al). 2009;54:S121 (Research Forum abstracts)
Li W (*see* Wang et al). 2009;54:S99 (Research Forum abstracts)
Liang L (*see* Sun et al). 2009;54:769–78
Liang S (*see* Heins et al). 2009;54:S19 (Research Forum abstracts)
Likourezos A (*see* Ayvazyan et al). 2009;54:S102 (Research Forum abstracts)
Lim T, Lin F, Taira BR, Singer AJ, McClain SA, Clark RA. Effect of IV deferoxamine on burn wound progression. 2009;54:S98 (Research Forum abstracts)
Lim T, Taira BR, Singer AJ, Lin F, McClain SA, Clark RA. Effect of IV pentoxifylline on burn wound progression. 2009;54:S98 (Research Forum abstracts)
Limkakeng A (*see* Chandra et al). 2009;54:S54 (Research Forum abstracts); 54:S74 (Research Forum abstracts); 54:S120 (Research Forum abstracts); 54:S133 (Research Forum abstracts)
Limkakeng AT Jr, Glickman SW, Freeman D, Drake W, Mani G, Chandra A, Cairns CB. Do prolonged emergency department waiting times reduce emergency research consent rates? 2009;54:S49 (Research Forum abstracts)
Lin F (*see* Lim et al). 2009;54:S98 (Research Forum abstracts)
Lindberg J (*see* Ly et al). 2009;54:S22 (Research Forum abstracts)
Linden A (*see* Sciorra et al). 2009;54:S47 (Research Forum abstracts)
Lindgren L (*see* Leppikangas et al). 2009;54:811–7
Lindor RA, Bellolio M, Sadosty AT, Earnest F IV, Cabrera D. Intussusception in adults: a 148-patient experience. 2009;54:S13 (Research Forum abstracts)
Lindsell CJ (*see* Gottesman et al). 2009;54:S40 (Research Forum abstracts)
Lindsell CJ (*see* Raja et al). 2009;54:72–7
Lipe KM, Ziadeh J, Bui D, Swor R, Jackson R, Ross M. Tamsulosin does not increase one-week rate of passage of ureteral stones in emergency department patients. 2009;54:S57 (Research Forum abstracts)
Lipton RB (*see* Smulowitz et al). 2009;54:S84 (Research Forum abstracts)
Liteplo A (*see* Kimberly et al). 2009;54:S87 (Research Forum abstracts)
Liteplo AS, Patel P, Huang C, Dipre M, Kimberly H, Noble VE. INSPIRED: instruction of sonographic placement of IVs by RNs in the emergency department. 2009;54:S67 (Research Forum abstracts)
Little JH III, Higgins GL III, Strout TD. Impact of the implementation of an electronic hand-off tool on patient safety and clinician satisfaction in an academic emergency department. 2009;54:S108 (Research Forum abstracts)
Liu C, Huang Y. Diverticulitis in Taiwan: a different story to Western countries. 2009;54: S119 (Research Forum abstracts)
Liu J (*see* Yang et al). 2009;54:S95 (Research Forum abstracts)
Liu SW (*see* Smulowitz et al). 2009;54:S84 (Research Forum abstracts)
Liu SW, Chang Y, Weissman J, Griffey R, Hamedani A, Thomas J, Nergui S, Singer S. Emergency department boarding is associated with higher medication-related errors but fewer laboratory errors during the early admission period. 2009;54:S66 (Research Forum abstracts)
Liu SW, Thomas SH, Gordon JA, Hamedani AG, Weissman JS. A pilot study examining undesirable events among emergency department-boarded patients awaiting inpatient beds. 2009;54:381–5 (Brief research report)
Liu Y-P (*see* Wang et al). 2009;54:e10–e15 (Brief research report)
Livak M (*see* Lowman et al). 2009;54:S39 (Research Forum abstracts)
Livengood T (*see* Olderog et al). 2009;54:S105 (Research Forum abstracts)
Livengood T (*see* Schmitz et al). 2009;54:S104 (Research Forum abstracts)
Llopis F (*see* Ferre et al). 2009;54:S38 (Research Forum abstracts)
Llovera I (*see* O'Donnell et al). 2009;54:S136 (Research Forum abstracts)
Lo HG (*see* Griffey et al). 2009;54:S83 (Research Forum abstracts)

Lobo R, Borges MD, Neves FF, Pazin-Filho A. Respiratory isolation rooms in the emergency department. 2009;54:S21 (Research Forum abstracts)
Lobon L (*see* Sayah et al). 2009;54:S51 (Research Forum abstracts)
Lobon L (*see* Schuur et al). 2009;54:S6 (Research Forum abstracts)
Lobon LF, Sayah AJ, Rivard L, Brady M, Skura S. Emergency department Rapid Assessment Unit at the Cambridge Hospital: why and how? 2009;54:S6 (Research Forum abstracts)
Lodding CC (*see* Mader et al). 2009;54:S140 (Research Forum abstracts)
Løfgren B, Grove EL, Krarup NH. International sign for automated external defibrillator. 2009; 54:855 (Correspondence)
Loiacono M (*see* Battista et al). 2009;54:S29 (Research Forum abstracts)
Lona N (*see* Vieth et al). 2009;54:S131 (Research Forum abstracts)
Long Y (*see* Wang et al). 2009;54:e10–e15 (Brief research report)
Lopez-Freeman R (*see* O'Laughlin et al). 2009;54: S59 (Research Forum abstracts)
Lorch SA (*see* Pines et al). 2009;54:S75 (Research Forum abstracts)
Lorenz D (*see* Padmanabhan et al). 2009;54:205–13
Losek JD (*see* Green et al). 2009;54:158–68; 54: 171–80;
Losek JD (*see* Pazo et al). 2009;54:S15 (Research Forum abstracts)
Losek JD (*see* Russell et al). 2009;54:S16 (Research Forum abstracts)
LoVecchio F (*see* Hannafin et al). 2009;54:471–2 (CDC Update)
Low DC (*see* Low et al). 2009;54:S111 (Research Forum abstracts)
Low RB, Ito S, Gregory R, Wu J, Jacobs C, Dunn V, Bielory L, Dickey D, Low DC, Lamba S. Number of headache patients/day in New York City public hospitals: relation to time, weather, air pollution and economic variables. 2009;54: S111 (Research Forum abstracts)
Lowell M (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Lowman E, Harper JB, Livak M, Jain S, Rush A, Kessler A, Purin-Shem-Tov Y, Rumoro DP, Kessler HA. Rapid HIV testing in a large urban emergency department. 2009;54:S39 (Research Forum abstracts)
Loyson A (*see* Oosterhouse et al). 2009;54:S32 (Research Forum abstracts)
Luber S (*see* Patyrak and Luber). 2009;54:S58 (Research Forum abstracts)
Luber SD. Evidence-based emergency medicine. 2009;54:760 (Book and Media Reviews)
Luber SD (*see* Black et al). 2009;54:S77 (Research Forum abstracts)
Luk J (*see* Felderman et al). 2009;54:S37 (Research Forum abstracts)
Lukasavage JN (*see* Saef et al). 2009;54:S4 (Research Forum abstracts)
Lukens TW (*see* Nazarian et al). 2009;54:704–31 (Clinical policy)
Lukin M (*see* Su et al). 2009;54:S79 (Research Forum abstracts)
Lundin EJ (*see* Ho et al). 2009;54:S40 (Research Forum abstracts)
Lundin EJ, Dawes DM, Ho JD, Ryan FJ, Miner JR. Catecholamines in simulated arrest scenarios. 2009;54:S98 (Research Forum abstracts)
Ly B (*see* Clark et al). 2009;54:309–10 (Correspondence)
Ly S, Lindberg J, Dershwitz M, Walz M, Gaspari R. Pulmonary effects of atropine in humans. 2009;54:S22 (Research Forum abstracts)
Lyman T (*see* Lynch et al). 2009;54:S40 (Research Forum abstracts)
Lyn E (*see* Schuur et al). 2009;54:S6 (Research Forum abstracts)
Lynch CA, Crape B, Tadevosyan M, Lyman T, Chekijian S. Road traffic injury hot spots in Yerevan, Armenia. 2009;54:S40 (Research Forum abstracts)
Lyng J, Cooney DR, Scott J, Grant W. Heat loss from IV fluids during the administration of pre-warmed normal saline. 2009;54:S24 (Research Forum abstracts)
Lyon M (*see* Bloch et al). 2009;54:S102 (Research Forum abstracts)
Lyon M (*see* Garman et al). 2009;54:S33 (Research Forum abstracts)
Lyon M (*see* Illston et al). 2009;54:S89 (Research Forum abstracts)
Lyon M, Sinex JE, Shiver SA, Bloch A, Flake M. Nurse utilization of ultrasound guidance for peripheral IV placement in the emergency department: does it change over time? 2009; 54:S69 (Research Forum abstracts)
Lyon M, Walton P, Bloch A, Shiver SA. Out-of-hospital critical care providers' retention of ultrasound skills for diagnosis of pneumothoraces: a nine-month follow-up. 2009;54:S100 (Research Forum abstracts)
Lyon R (*see* Drendel et al). 2009;54:553–60;
Lyon R (*see* Robinson et al). 2009;54:S107 (Research Forum abstracts)
Lyons E (*see* Cichon et al). 2009;54:198–204 (Concepts)
Lyons JS (*see* Tanabe et al). 2009;54:S14 (Research Forum abstracts)
Lytle B (*see* Glickman et al). 2009;54:S2 (Research Forum abstracts)

M

Ma M (*see* Irvin et al). 2009;54:S43 (Research Forum abstracts)
Ma OJ (*see* Handel et al). 2009;54:S76 (Research Forum abstracts)
MacCormick JM, McAlister H, Crawford J, French JK, Crozier I, Shelling AN, Eddy C-A, Rees MI, Skinner JR. Misdiagnosis of long QT syndrome as epilepsy at first presentation. 2009;54:26–32
MacDonald R (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Macedo LG, Pazin-Filho A. Error in body weight estimation leads to inadequate parenteral anticoagulation. 2009;54:S8 (Research Forum abstracts)
Mace SE (*see* Hahn et al). 2009;54:S16 (Research Forum abstracts)
Mace SE, Buller L, Thallner E, Tallman T. An analysis of patients treated by a rapid response team: a high acuity, critically ill patient population requiring multiple procedures and transfer to a higher level of care. 2009;54:S53 (Research Forum abstracts)
Mace SE, Buller L, Thallner E, Tallman T. Characteristics of an emergency medicine-led rapid response team at an academic tertiary care hospital in the United States. 2009;54:S52 (Research Forum abstracts)
Machado J (*see* Franciscon et al). 2009;54:S8 (Research Forum abstracts)
Machan J (*see* Napoli et al). 2009;54:S11 (Research Forum abstracts)
Machi MS, Suyama J, Rittenberger JC, Guyette FX III, Moore CG, Jeong K, Callaway CW, Hoslter DP III. Work-induced memory decline in emergency medicine attending physicians. 2009;54:S132 (Research Forum abstracts)
Mackenzie C (*see* Sen et al). 2009;54:S96 (Research Forum abstracts); 54:S143 (Research Forum abstracts)
MacKenzie R (*see* Miller et al). 2009;54:S30 (Research Forum abstracts)
MacLeod JBA. Minor injury, major expense: the burden of preinjury alcohol intake on emergency department assessment. 2009;54: 600–2 (Editorial)
Madden J (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Mader TJ (*see* Wong et al). 2009;54:S24 (Research Forum abstracts)
Mader TJ, Walterscheid JK, Kellogg AR, Lodding CC. Feasibility of intraosseous infusion of iced saline to induce therapeutic hypothermia after cardiac resuscitation. 2009;54:S140 (Research Forum abstracts)
Madsen T (*see* Gee et al). 2009;54:S12 (Research Forum abstracts)
Madsen T (*see* Groke et al). 2009;54:S10 (Research Forum abstracts) 54:S46 (Research Forum abstracts)
Maekawa K (*see* Mori et al). 2009;54:S23 (Research Forum abstracts)
Maekawa K, Hirayama S, Uemura S, Nara S, Mori K, Asai Y. Admission fibrin degradation product level predicts the need for massive transfusion and mortality in adult blunt trauma patients. 2009;54:S93 (Research Forum abstracts)
Magder LS (*see* LaMonte et al). 2009;54:319–27 (Concepts)
Magee M (*see* Dubin et al). 2009;54:S18 (Research Forum abstracts)
Maggiorotto M (*see* Battista et al). 2009;54:S29 (Research Forum abstracts)
Magid DJ (*see* Tsai et al). 2009;54:S2 (Research Forum abstracts)
Mahadevan SV, Strehlow MC, Emergency Management and Research Institute (EMRI).Epidemiology of out-of-hospital emergencies in Andhra Pradesh, India, 2007. 2009;54:S80 (Research Forum abstracts)
Maher G (*see* Hahn et al). 2009;54:S16 (Research Forum abstracts)
Mahler S (*see* Phelan et al). 2009;54:S56 (Research Forum abstracts)
Mahler SA, Pattani S, Caldito G, Conrad SA, Arnold TC. Use of a clinical sobriety assessment tool with the NEXUS low-risk cervical spine criteria to reduce cervical spine imaging in blunt trauma patients with acute alcohol or drug use: a pilot study. 2009;54:S26 (Research Forum abstracts)
Mahoney B (*see* Nichol et al). 2009;54:226–35
Maisel A (*see* Peacock et al). 2009;54:S29 (Research Forum abstracts)

Malik S (*see* Van Roo et al). 2009;54:S144 (Research Forum abstracts)
Mallon WK (*see* Shoenberger et al). 2009;54:S141 (Research Forum abstracts)
Mallon WK (*see* Urdang et al). 2009;54:S141 (Research Forum abstracts)
Maloney J (*see* Spaite et al). 2009;54:248–55
Maloney J (*see* Vaillancourt et al).2009;54:663–71
Malpeso JV (*see* Ardolic et al). 2009;54:S122 (Research Forum abstracts)
Malubay S (*see* Place et al). 2009;54:S74 (Research Forum abstracts)
Manary M (*see* Glickman et al). 2009;54:S97 (Research Forum abstracts)
Mando J (*see* Chandra et al). 2009;54:S133 (Research Forum abstracts)
Mandrekar J (*see* Stead et al). 2009;54:S110 (Research Forum abstracts)
Mangione CM (*see* Sun et al). 2009;54:769–78
Mango L (*see* Sherwin et al). 2009;54:S56 (Research Forum abstracts)
Maniago EM (*see* Ardolic et al). 2009;54:S122 (Research Forum abstracts)
Mani G (*see* Chandra et al). 2009;54:S54 (Research Forum abstracts)
Mani G (*see* Limkakeng et al). 2009;54:S49 (Research Forum abstracts)
Manini A (*see* Leung et al). 2009;54:S115 (Research Forum abstracts)
Manivannan V (*see* Jain et al). 2009;54:S72 (Research Forum abstracts)
Manivannan V (*see* Odufuye et al). 2009;54:S112 (Research Forum abstracts)
Manivannan V (*see* Stead et al). 2009;54:S111 (Research Forum abstracts)
Manivannan V, Borgo MJ, Campbell RL, Bellolio MF, Li JT, Stead LG, Decker WW. Symptom recurrence and biphasic reactions in patients presenting to the emergency department with anaphylaxis. 2009;54:S121 (Research Forum abstracts)
Manivannan V, Chandra R, Jain A, Bellolio M, Odufuye AO, Dhillon RK, Yerragondu N, Gilmore R, Decker WW, Stead LG. Electrocardiographic changes in spontaneous intracerebral hemorrhage. 2009;54:S113 (Research Forum abstracts)
Mao A (*see* Holmes et al). 2009;54:528–33
Maqsood MQ (*see* Dhillon et al). 2009;54:S26 (Research Forum abstracts)
Marco C (*see* Sinha et al). 2009;54:S14 (Research Forum abstracts)
Marco CA (*see* Quest et al). 2009;54:94–102 (Concepts)
Mardónez JM (*see* Aguilera et al). 2009;54:S54 (Research Forum abstracts); 54:S55 (Research Forum abstracts)
Mariani PJ. The electronic patient tracking board: as time goes by. 2009;54:138 (Correspondence)
Marinsek M, Zupan-Meznar A. Prognostic importance of elevated cardiac troponin-t in patients with acute supraventricular tachycardia. 2009;54:S117 (Research Forum abstracts)
Markwell SJ (*see* Agarwal et al). 2009;54:S61 (Research Forum abstracts)
Marshall AJ (*see* Hansen et al). 2009;54:S65 (Research Forum abstracts)
Marshall J (*see* Ayvazyan et al). 2009;54:S102 (Research Forum abstracts)
Marshall J (*see* Chan et al). 2009;54:S97 (Research Forum abstracts)
Martens KA, Petzel R, Koller M, Stauffer M, Stake CE. A mass medication distribution emergency response exercise using vaccination, not simulation. 2009;54:S123 (Research Forum abstracts)
Martin AR (*see* Barrett et al). 2009;54:S1 (Research Forum abstracts)
Martin C (*see* Phelan et al). 2009;54:S19 (Research Forum abstracts)
Martin T (*see* Dailey et al). 2009;54:S79 (Research Forum abstracts)
Martinez Martinez CJ (*see* Molins et al). 2009;54:S135 (Research Forum abstracts)
Martinovich Z (*see* Tanabe et al). 2009;54:S14 (Research Forum abstracts)
Marynowski M, Hanlon D, Hegde GG. Utility of computed tomography of the thorax, abdomen and pelvis in patients presenting after ground-level falls. 2009;54:S141 (Research Forum abstracts)
Mascioli S (*see* Farley et al). 2009;54:S52 (Research Forum abstracts)
Mason PE (*see* Bebarta et al). 2009;54:S59 (Research Forum abstracts)
Massaro J (*see* Hoekstra et al). 2009;54:779–88
Massucci JL (*see* Farley et al). 2009;54:S96 (Research Forum abstracts)
Matar-Joseph M (*see* McIntosh et al). 2009;54:585–92
Matchette MW (*see* Raja et al). 2009;54:S123 (Research Forum abstracts)
Matevosyan K (*see* Sarode and Matevosyan). 2009;54:481–82 (Correspondence)
Matsuda S (*see* Ode et al). 2009;54:S119 (Research Forum abstracts)
Matthews P, Nichols WL, Durie C, McGinnis-Hainsworth D, Hypes S, Reed J III, Schofer J, Megargel R. Admission rates for walk-in patients differ between suburban and urban emergency departments while admission rates for emergency medical services arrivals show no significant difference. 2009;54:S77 (Research Forum abstracts)
Mayo DD (*see* Bennett et al). 2009;54:S33 (Research Forum abstracts)
Mazzarelli A (*see* Sciorra et al). 2009;54:S47 (Research Forum abstracts)
McAlister H (*see* MacCormick et al). 2009;54:26–32
McAlpine I (*see* River et al). 2009;54:S87 (Research Forum abstracts)
McAlpine I (*see* Stein et al). 2009;54:S69 (Research Forum abstracts)
McCarthy EP (*see* Smith et al). 2009;54:86–93
McCarthy ML, Zeger SL, Ding R, Levin SR, Desmond JS, Lee J, Aronsky D. Crowding delays treatment and lengthens emergency department length of stay, even among high-acuity patients. 2009;54:492–503
McClain SA (*see* Lim et al). 2009;54:S98 (Research Forum abstracts)
McClung CD (*see* Borquez et al). 2009;54:S45 (Research Forum abstracts)
McClung CD (*see* Shoenberger et al). 2009;54:S141 (Research Forum abstracts)
McConnell KJ (*see* Handel et al). 2009;54:S76 (Research Forum abstracts); 54:S95 (Research Forum abstracts)
McCord J (*see* Peacock et al). 2009;54:S29 (Research Forum abstracts)
McCord JK (*see* Chandra et al). 2009;54:17–25
McCoy G (*see* Slattery et al). 2009;54:S56 (Research Forum abstracts)
McCullough L (*see* Cheung et al). 2009;54:S133 (Research Forum abstracts)
McCusker CM (*see* Cruz et al). 2009;54:1–7
McDermott D (*see* Stein et al). 2009;54:33–40
McGahan JP (*see* Holmes et al). 2009;54:528–33; 54:575–84
McGill J (*see* Hill et al). 2009;54:S21 (Research Forum abstracts); 54:S137 (Research Forum abstracts)
McGinnis-Hainsworth D (*see* Matthews et al). 2009;54:S77 (Research Forum abstracts)
McGlone RG (*see* Green et al). 2009;54:158–68; 54:171–80
McGrath ME, Bullock HN, Whitney D. Do HIV-positive patients with severe sepsis receive adequate initial antibiotics in the emergency department when compared with HIV-negative patients? 2009;54:S37 (Research Forum abstracts)
McGuire T (*see* Gee et al). 2009;54:S12 (Research Forum abstracts)
McIlrath T (*see* Bank and McIlrath). 2009;54:S5 (Research Forum abstracts)
McIntosh MS, Konzelmann J, Smith J, Kalynych CJ, Wears RL, Schneider H, Wylie T, Kaminski A, Matar-Joseph M. Stabilization and treatment of dental avulsions and fractures by emergency physicians using just-in-time training. 2009;54:585–92
McIntyre JA (*see* White et al). 2009;54:S74 (Research Forum abstracts)
McIntyre L, Green RS. Albumin administration in the management of critically ill patients: is it safe? 2009;54:114–6 (Systematic review abstract)
McKee M (*see* Green et al). 2009;54:158–68; 54:171–80
McKenna M. Emergency medicine research and the stimulus bill: researchers scramble to claim piece of the pie. 2009;54:26A–7A (Jul) (News & Perspective)
McKenna M. Med schools, training programs eschew pharma funds. 2009;54:24A–5A (Nov) (News & Perspective)
McKenna M. Physicians, professional organizations face specialty certification changes. 2009;54:22A–4A (Nov) (News & Perspective)
McLaughlin T (*see* Gorchynski and McLaughlin). 2009;54:S129 (Research Forum abstracts)
McManus J (*see* Greenfield et al). 2009;54:S62 (Research Forum abstracts)
McManus JG (*see* Morton et al). 2009;54:S123 (Research Forum abstracts)
McNally B, Stokes A, Crouch A, Kellermann AL, for the CARES Surveillance Group. CARES: Cardiac Arrest Registry to Enhance Survival. 2009;54:674–83 (Concepts)
McNamara RM. Thrombolysis in stroke: still not ready for community hospital use by emergency physicians. 2009;54:339–41 (Editorial)
McNaughton C, Zhou C, Robert L, Storrow A, Kennedy R. A randomized, crossover comparison of injected buffered lidocaine, lidocaine cream, and no analgesia for peripheral intravenous cannula insertion. 2009;54:214–20
McNinch D (*see* Oosterhouse et al). 2009;54:S32 (Research Forum abstracts)
McNutt L-A (*see* Toma et al). 2009;54:360–7
McQuaid E (*see* Garro et al). 2009;54:S17 (Research Forum abstracts)

McQueen A, Wright RO, Kido MM, Kaye E, Krauss B. Procedural sedation and analgesia outcomes in children after discharge from the emergency department: ketamine *versus* fentanyl/midazolam. 2009;54:191–7
Meckler GD (*see* Hall et al). 2009;54:S87 (Research Forum abstracts)
Medado P (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)
Medado P (*see* Sherwin et al). 2009;54:S56 (Research Forum abstracts)
Medak AJ (*see* Hansen et al). 2009;54:S69 (Research Forum abstracts)
Medina JS (*see* De Lorenzo et al). 2009;54:S99 (Research Forum abstracts)
Medina JS (*see* Rubal et al). 2009;54:S99 (Research Forum abstracts)
Meeusen C (*see* Albert et al). 2009;54:S133 (Research Forum abstracts)
Megargel R (*see* Matthews et al). 2009;54:S77 (Research Forum abstracts)
Meggs WJ (*see* Sekhon et al). 2009;54:S115 (Research Forum abstracts)
Mehta S (*see* Beckmann et al). 2009;54:S125 (Research Forum abstracts)
Mehta S (*see* Shroyer and Mehta). 2009;54:S104 (Research Forum abstracts)
Meisel ZF, Branas C, Pines JM. Predictors of ambulance use for emergency department patients over 45 with chest pain. 2009;54:S78 (Research Forum abstracts)
Meisel ZF, Branas C, Pines JM. Type of insurance is associated with ambulance use for transport to emergency departments in the United States. 2009;54:S78 (Research Forum abstracts)
Meisner C (*see* Irvin et al). 2009;54:S25 (Research Forum abstracts)
Mejia J, Bautista F, Garg N, Reddy V, Radeos MS, Caligiuri AC. Risk factors for delayed analgesia in patients presenting to the emergency department with long bone fractures. 2009;54:S15 (Research Forum abstracts)
Melanson S (*see* Mersky et al). 2009;54:S94 (Research Forum abstracts)
Melissa S (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Mello MJ (*see* Lee et al). 2009;54:593–9
Melniker LA (*see* Khan and Melniker). 2009;54:S118 (Research Forum abstracts)
Meltzer A (*see* Neuner et al). 2009;54:S131 (Research Forum abstracts)
Melville LD, Hawkins T, Nelson-Perrone M, Briggs WM, Birkhahn RH. To scan or not to scan: predicting appendicitis in adult and pediatric patients. 2009;54:S121 (Research Forum abstracts)
Menchine M (*see* Arora and Menchine). 2009;54:S110 (Research Forum abstracts)
Menchine M (*see* Arora et al). 2009;54:S136 (Research Forum abstracts)
Menchine M (*see* Hayward et al). 2009;54:S137 (Research Forum abstracts)
Menchine M, Wiechmann W. Quantitative meaning of common terms like "very low risk" and "low risk" for chest pain patients. 2009;54:S57 (Research Forum abstracts)
Mendoza M (*see* Montoya et al). 2009;54:S101 (Research Forum abstracts)
Mengozzi G (*see* Battista et al). 2009;54:S29 (Research Forum abstracts)
Mennicke M (*see* Kimberly et al). 2009;54:S87 (Research Forum abstracts)
Mennicke M (*see* Platz et al). 2009;54:S88 (Research Forum abstracts)
Merchant G (*see* O'Laughlin et al). 2009;54:S59 (Research Forum abstracts)
Merchant R (*see* Garro et al). 2009;54:S17 (Research Forum abstracts)
Meredith R (*see* Phelan et al). 2009;54:S19 (Research Forum abstracts)
Meredith T (*see* Horwitz et al). 2009;54:368–78
Meredith T (*see* Larkin et al). 2009;54:S127 (Research Forum abstracts)
Merlin M (*see* Yang et al). 2009;54:S95 (Research Forum abstracts)
Merlin MA (*see* Veysman et al). 2009;54:S71 (Research Forum abstracts)
Mersky A, Eberhardt M, Overfield P, Melanson S, Stoltzfus J, Prestosh J. The effect of the repeal of the Pennsylvania helmet law on the severity of head and neck injuries sustained in motorcycle accidents. 2009;54:S94 (Research Forum abstracts)
Meshberg EB (*see* Cruz et al). 2009;54:1–7
Messina J (*see* Su et al). 2009;54:S79 (Research Forum abstracts)
Messman A (*see* Irvin et al). 2009;54:S123 (Research Forum abstracts)
Metlay JP (*see* Carr et al). 2009;54:261–9
Meyers L (*see* Kiebel et al). 2009;54:S32 (Research Forum abstracts)
Millard WB. For whom the Bell Commission tolls: unintended effects of limiting residents' hours. 2009;54:25A–9A (Oct) (News & Perspective)
Millard WB. How universal coverage could change emergency medicine, and vice versa. 2009;54:26A–32A (Aug) (News & Perspective)
Miller A, Coleman G, MacKenzie R, Richardson D, Kleaveland J, Cox D, Feldman B, Crown A, Rupp V. Out-of-hospital electrocardiogram interpretation and early activation for ST-segment elevation myocardial infarction patients reduces door-to-balloon times and hospital length of stay. 2009;54:S30 (Research Forum abstracts)
Miller J, Lairet J, DeLorenzo R, Pitotti R. Intraosseous infusion of crystalloid fluid immediately after intraosseous infusion of nitroglycerin in the proximal tibia of a swine (sus scrofa) model. 2009;54:S140 (Research Forum abstracts)
Miller JB (*see* Sen et al). 2009;54:S66 (Research Forum abstracts)
Miller K (*see* Dart et al). 2009;54:386–94 (Concepts)
Miller KT (*see* Kahn et al). 2009;54:424–30
Miller L (*see* Philbeck et al). 2009;54:S128 (Research Forum abstracts)
Miller L, Philbeck T, Montez D, Spadaccini C. A new study of intraosseous blood for CBC and chemistry profile. 2009;54:S59 (Research Forum abstracts)
Miller M (*see* Ardolic et al). 2009;54:S122 (Research Forum abstracts)
Miller M (*see* Goo et al). 2009;54:S42 (Research Forum abstracts)
Milling T Jr (*see* Abello et al). 2009;54:S97 (Research Forum abstracts)
Milne WK, Worster A. Does the clinical examination predict lower extremity peripheral arterial disease? 2009;54:748–50 (Rational clinical examination abstract)
Milzman D (*see* Phillips et al). 2009;54:S101 (Research Forum abstracts)
Milzman DP (*see* Ybarra and Milzman). 2009;54:S127 (Research Forum abstracts)
Milzman DP, Delasobera L. Sports medicine fellowship training for emergency medicine residency graduates: interest, availability and practice: a niche not being filled. 2009;54:S126 (Research Forum abstracts)
Milzman DP, Gerecht R, Rushton W. Code-blue as a teaching moment: re-evaluation of medical student experiences following curriculum changes. 2009;54:S125 (Research Forum abstracts)
Miner JR (*see* Hill et al). 2009;54:S137 (Research Forum abstracts)
Miner JR (*see* Ho et al). 2009;54:S40 (Research Forum abstracts)
Miner JR (*see* Lundin et al). 2009;54:S98 (Research Forum abstracts)
Miner JR (*see* Prekker et al). 2009;54:S47 (Research Forum abstracts)
Miner JR, Olives T, Westgaard BC, Patel R, Patel S, Biros MH. The effect of access to health care and socio-economic status on the availability and effectiveness of medical treatment for asthma and hypertension among patients presenting to the emergency department. 2009;54:S46 (Research Forum abstracts)
Mink JT (*see* Sierzenski et al). 2009;54:S68 (Research Forum abstracts)
Mir M, Palta A, Eden A, Kondamudi N. A teaspoon of medication: how much is really in it? 2009;54:S91 (Research Forum abstracts)
Mirgorodsky E (*see* Gee et al). 2009;54:S111 (Research Forum abstracts)
Mirhadi M, Suchard J, Leung A, Chang R. Utility of additional radiographs in emergency department patients with extremity injuries. 2009;54:S27 (Research Forum abstracts)
Mishkin DR, Rosh AJ. Female infant with fever and rash. 2009;54:155 (Images in Emergency Medicine)
Mistry C (*see* Holt et al). 2009;54:S53 (Research Forum abstracts)
Mitchell AM. Clinical emergency radiology. 2009;54:760–1 (Book and Media Reviews)
Mitchell P (*see* Schechter-Perkins et al). 2009;54:S104 (Research Forum abstracts)
Mittal MK, Shofer FS, Baren JM. Serious bacterial infections in infants who have experienced an apparent life-threatening event. 2009;54:523–7
Miyashiro R, Yamamoto L. Endotracheal tube and laryngeal mask airway cuff pressures can exceed critical values during air transport. 2009;54:S61 (Research Forum abstracts)
Miynarchek S (*see* Dart et al). 2009;54:386–94 (Concepts)
Mizuno H (*see* Shimizu et al). 2009;54:S94 (Research Forum abstracts)
Mockel M (*see* Peacock et al). 2009;54:S29 (Research Forum abstracts)
Moellman JJ (*see* Raja et al). 2009;54:72–7
Moffett P, Baker B, Kang C, Johnson M. Evaluation of time required for water-only topical decontamination of an oil-based agent. 2009;54:S122 (Research Forum abstracts)
Mogelof D (*see* Waldron et al). 2009;54:S60 (Research Forum abstracts)
Mohan A (*see* Chandra et al). 2009;54:S72 (Research Forum abstracts)
Molai S (*see* Wong et al). 2009;54:S114 (Research Forum abstracts)

Molins C, Martinez Martinez CJ, Villanueva Rodriguez S. Child car seat safety knowledge among caregivers in Puerto Rico: is more education needed? 2009;54:S135 (Research Forum abstracts)
Monico EP. Patient safety in emergency medicine. 2009;54:644 (Book and Media Reviews)
Monroe K (*see* Davis et al). 2009;54:S41 (Research Forum abstracts)
Monroe K (*see* Russell et al). 2009;54:S16 (Research Forum abstracts)
Montez D (*see* Miller et al). 2009;54:S59 (Research Forum abstracts)
Montez D (*see* Philbeck et al). 2009;54:S128 (Research Forum abstracts)
Montori VM (*see* Lang and Montori). 2009;54:123–5 (Editorial)
Montoya AM, Gaspari RJ, Mendoza M, Resop D. Technical and interpretive error rates for the focused assessment with sonography in trauma exam. 2009;54:S101 (Research Forum abstracts)
Moody J, Hafner JW. The evidence-based diagnosis of deep venous thrombosis. 2009;54:461–4 (Rational clinical examination abstract)
Mookadam M, Eisenhart A. Infant male with blood-colored stools. 2009;54:308 (Images in Emergency Medicine)
Moon S (*see* Cho et al). 2009;54:S39 (Research Forum abstracts)
Moon S (*see* Choi et al). 2009;54:S93 (Research Forum abstracts)
Moon S, Baek S, Han C, Lee S, Choi S, Hong Y. Clinical features of Fitz-Hugh-Cutis syndrome and length of the emergency department stay. 2009;54:S132 (Research Forum abstracts)
Moore AA (*see* Sun et al). 2009;54:769–78
Moore CG (*see* Machi et al). 2009;54:S132 (Research Forum abstracts)
Moore CL (*see* Beam et al). 2009;54:147–52
Moorhead JC (*see* Overton and Moorhead). 2009;54:751–2 (Editorial)
Morales J (*see* O'Neill et al). 2009;54:S25 (Research Forum abstracts)
Morales JF (*see* Aguilera et al). 2009;54:S54 (Research Forum abstracts)
Moreau J (*see* Schuur et al). 2009;54:S6 (Research Forum abstracts)
Morgan BW (*see* Dell'Aglio et al). 2009;54:818–23 (Review article)
Morgan DL (*see* Bhakta et al). 2009;54:S19 (Research Forum abstracts)
Morgan DL (*see* Richerson et al). 2009;54:S4 (Research Forum abstracts)
Mori K (*see* Maekawa et al). 2009;54:S93 (Research Forum abstracts)
Mori K, Sawamoto K, Maekawa K, Warabi R, Tanno K, Uemura S, Nara S, Asai Y. Outcome of cardiac arrest after accidental hypothermia and indication for cardiopulmonary bypass. 2009;54:S23 (Research Forum abstracts)
Morishita Y (*see* Shimizu et al). 2009;54:S94 (Research Forum abstracts)
Morley EJ (*see* Sarsfield et al). 2009;54:S90 (Research Forum abstracts)
Morley EJ, Lapoint JM, Wittick L, Wojcik SM, Cantor R, Grant WD. Fever in children less than 60 days old: what are current cerebrospinal fluid, blood, and urine culture positive rates in the vaccination era? 2009;54:S42 (Research Forum abstracts)
Morris DF, Guluma K. Accuracy of point-of-care finger stick hemoglobin compared to laboratory value. 2009;54:S58 (Research Forum abstracts)
Morrison D (*see* Adhikari et al). 2009;54:S89 (Research Forum abstracts)
Morton MJ, Kirsch TD, Rothman RE, Hsieh Y, Byerly MM, McManus JG, Kelen GD. The impact of emergency department size on pandemic influenza preparedness in U.S. emergency departments. 2009;54:S123 (Research Forum abstracts)
Moscovitz J (*see* Bennett et al). 2009;54:S33 (Research Forum abstracts)
Moseley MG (*see* Katz et al). 2009;54:S96 (Research Forum abstracts)
Moskowitz A (*see* Chan et al). 2009;54:S72 (Research Forum abstracts)
Moskowitz A, Chan Y, Bruns J, Levine SR. A survey of emergency physician and stroke specialist beliefs and expectations regarding telestroke. 2009;54:S71 (Research Forum abstracts)
Mosnaim G (*see* Lewis et al). 2009;54:S50 (Research Forum abstracts)
Mostofi M, Tivnan E, Barnewolt B, Penzias A, Weiner S. A protocol to improve door-to-EKG times in the emergency department. 2009;54:S52 (Research Forum abstracts)
Mower W (*see* O'Laughlin et al). 2009;54:S59 (Research Forum abstracts)
Mower WR (*see* Holmes et al). 2009;54:575–84
Mower WR (*see* Sun et al). 2009;54:769–78
Moyer M (*see* Sen et al). 2009;54:S30 (Research Forum abstracts)
Muck AE (*see* Bebarta et al). 2009;54:S59 (Research Forum abstracts)
Mueller C (*see* Peacock et al). 2009;54:S29 (Research Forum abstracts)
Mullins ME (*see* Anderson et al). 2009;54:S114 (Research Forum abstracts)
Mullins ME (*see* Fuentes and Mullins). 2009;54:S114 (Research Forum abstracts)
Munassi D (*see* Slattery et al). 2009;54:S56 (Research Forum abstracts)
Muñiz AE. Emergency medicine *versus* pediatric emergency medicine physicians in the management of febrile infants < 1 month of age. 2009;54:S106 (Research Forum abstracts)
Muñiz AE. Respiratory syncytial virus is not protective of urinary tract infections in febrile infants less than 90 days old. 2009;54:S105 (Research Forum abstracts)
Muñiz AE. Serum lactate is not predictive of major injuries in pediatric blunt trauma. 2009;54:S143 (Research Forum abstracts)
Muñiz AE. Significant bacterial infections in febrile children less than 2 years of age with influenza A. 2009;54:S106 (Research Forum abstracts)
Muniz J (*see* Black et al). 2009;54:S77 (Research Forum abstracts)
Munkley D (*see* Vaillancourt et al). 2009;54:663–71
Munoz C (*see* Harper et al). 2009;54:S60 (Research Forum abstracts)
Munz K (*see* Rothschild et al). 2009;54:S44 (Research Forum abstracts)
Murphy AG, Wears RL. The medium is the message: communication and power in sign-outs. 2009;54:379–80 (Editorial)
Murphy MK (*see* Chang et al). 2009;54:221–5 (Brief research report)
Murphy MK (*see* Chang et al). 2009;54:638–9 (Correspondence reply)
Murphy S, Kane B, Barr G Jr, Rupp V, Fredericks K, Barraco R, Anselmo T, Reed J. The correlation between adolescent-reported parental driving behaviors and observed adult driving behaviors. 2009;54:S126 (Research Forum abstracts)
Murray A (*see* Kimberly et al). 2009;54:S87 (Research Forum abstracts)
Murray K (*see* Schechter-Perkins et al). 2009;54:S104 (Research Forum abstracts)
Myers LA, Russi CS. The impact of 24-hour shifts on paramedics providing out-of-hospital analgesia in patient-reported pain scales. 2009;54:S62 (Research Forum abstracts)
Myers LA, Russi CS. The impact of unit hour utilization on out-of-hospital interventions. 2009;54:S35 (Research Forum abstracts)

N

Nagata T, Kimura A. Trauma care access for road traffic injuries in Hanoi City. 2009;54:S40 (Research Forum abstracts)
Nagdev A (*see* Hansen et al). 2009;54:S69 (Research Forum abstracts)
Nagdev A (*see* Zaia et al). 2009;54:133 (Images in Emergency Medicine)
Nagurka R (*see* Lamba et al). 2009;54:S51 (Research Forum abstracts)
Nagurka R (*see* Scott et al). 2009;54:S48 (Research Forum abstracts)
Nagurney J (*see* Peacock et al). 2009;54:S7 (Research Forum abstracts)
Naito Y (*see* Shimizu et al). 2009;54:S94 (Research Forum abstracts)
Napoli A, Corl K, Forcada A, Gardiner F. Value of noninvasive measurement of contractility to predict mortality in emergency department patients undergoing early goal-directed therapy for severe sepsis. 2009;54:S12 (Research Forum abstracts)
Napoli A, Forcada A, Corl K, Machan J. Assessing inter-rater reliability and agreement between two methods of noninvasive hemodynamic monitoring in clinically stable emergency department patients. 2009;54:S11 (Research Forum abstracts)
Nara S (*see* Maekawa et al). 2009;54:S93 (Research Forum abstracts)
Nara S (*see* Mori et al). 2009;54:S23 (Research Forum abstracts)
Narasimhan D (*see* Jutkiewicz et al). 2009;54:409–20
Nassar C (*see* Dubin et al). 2009;54:S18 (Research Forum abstracts)
Nathanson L (*see* Schuur et al). 2009;54:S6 (Research Forum abstracts)
National Highway Traffic Safety Administration. Evaluation of thoracic injuries in older motor vehicle occupants. 2009;54:294–5 (NHTSA Notes)
National Highway Traffic Safety Administration. Fatalities and injuries in motor vehicle backing crashes. 2009;54:603–4 (NHTSA Notes)
National Highway Traffic Safety Administration. The increase in lives saved, injuries prevented, and cost savings if seat belt use rose to at least 90 percent in all states. 2009;54:837–9 (NHTSA Notes)

Nazarian DJ, Eddy OL, Lukens TW, Weingart SD, Decker WW, for the American College of Emergency physicians Clinical Policies Subcommittee (Writing Committee) on Critical Issues in the Evaluation and Management of Adult Patients Presenting to the Emergency Department With Community-Associated Pneumonia. Clinical policy: critical issues in the management of adult patients presenting to the emergency department with community-acquired pneumonia. 2009;54:704–31 (Clinical policy)
Negron D (*see* Acosta et al). 2009;54:S50 (Research Forum abstracts)
Nelson BK (*see* Xu et al). 2009;54:805–10
Nelson BP, Noble VE, Choi J, Truong T, Levine AC. Improved resident knowledge and adherence to care guidelines using an algorithm for ectopic pregnancy evaluation. 2009;54:S34 (Research Forum abstracts)
Nelson SW (*see* Shear et al). 2009;54:S128 (Research Forum abstracts)
Nelson-Perrone M (*see* Melville et al). 2009;54:S121 (Research Forum abstracts)
Nergui S (*see* Liu et al). 2009;54:S66 (Research Forum abstracts)
Nettel-Aguirre A (*see* Yarema et al). 2009;54:606–14
Neuner M, Layman K, Meltzer A, Corcoran J, Chopard M, Place R. Ambulatory prescription errors in a pediatric emergency department. 2009;54:S131 (Research Forum abstracts)
Neves FF (*see* Lobo et al). 2009;54:S21 (Research Forum abstracts)
Newman D (*see* Shah et al). 2009;54:S82 (Research Forum abstracts)
Newman DH. Evidence-based emergency care: diagnostic testing and clinical decision rules. 2009;54:485 (Book and Media Reviews)
Newman DH (*see* Shah et al). 2009;54:S73 (Research Forum abstracts)
Newman S (*see* Bastani et al). 2009;54:S8 (Research Forum abstracts)
Ngo A (*see* Wong and Ngo). 2009;54:S22 (Research Forum abstracts)
Ngo AS, Ong J, Ponampalam R. Stonefish envenomation presenting to a Singapore hospital. 2009;54:S113 (Research Forum abstracts)
Ngo AS, Wong E, Ponampalam R. Comparison in the management of inhalational injuries presenting to a tertiary hospital emergency department. 2009;54:S43 (Research Forum abstracts)
Ngoma B (*see* Kimberly et al). 2009;54:S87 (Research Forum abstracts)
Ngoma E (*see* Kimberly et al). 2009;54:S87 (Research Forum abstracts)
Nguyen HB (*see* Holthaus et al). 2009;54:135–6 (Correspondence)
Nibhanipudi KV Sr, Hassan G Jr. The significance of peripheral white blood cell count in cases of acute otitis media in children between 2 to 17 years of age. 2009;54:S90 (Research Forum abstracts)
Nichol G, Huszti E, Birnbaum A, Mahoney B, Weisfeldt M, Travers A, Christenson J, Kuntz K, and the PAD Investigators. Cost-effectiveness of lay responder defibrillation for out-of-hospital cardiac arrest. 2009;54:226–35
Nichols WL (*see* Matthews et al). 2009;54:S77 (Research Forum abstracts)
Nichols WL (*see* Sierzenski et al). 2009;54:S68 (Research Forum abstracts)
Nickson CP, Waugh EB, Jacups SP, Currie BJ. Irukandji syndrome case series from Australia's tropical Northern Territory. 2009;54:395–403
Nielson J (*see* Stiffler et al). 2009;54:S5 (Research Forum abstracts)
Nielson JA. Usability comparison of 9 methods of preparing patient discharge instructions and prescriptions. 2009;54:S109 (Research Forum abstracts)
Niemann JT (*see* Salvucci et al). 2009;54:S62 (Research Forum abstracts)
Nigl J (*see* Irvin et al). 2009;54:S123 (Research Forum abstracts)
Nishijima DK, Holmes JF. The efficacy of factor VIIa in emergency department patients with warfarin use and traumatic intracranial hemorrhage. 2009;54:S143 (Research Forum abstracts)
Nishijima DK, Zehtabchi S. The efficacy of recombinant activated factor VII in severe trauma. 2009;54:737–44 (Critically appraised topic)
Niska RW. Fibrinolytics for acute myocardial infarction in emergency departments. 2009;54:S7 (Research Forum abstracts)
Nitsch DA (*see* Levitan et al). 2009;54:692–4 (Brief research report)
Noble VE (*see* Kimberly et al). 2009;54:S87 (Research Forum abstracts)
Noble VE (*see* Levine et al). 2009;54:S91 (Research Forum abstracts)
Noble VE (*see* Liteplo et al). 2009;54:S67 (Research Forum abstracts)
Noble VE (*see* Nelson et al). 2009;54:S34 (Research Forum abstracts)
Nomura J (*see* Sierzenski et al). 2009;54:S68 (Research Forum abstracts)
Nomura JT (*see* Bauman et al). 2009;54:S87 (Research Forum abstracts)
Nomura JT, Goodgame BR, Bauman MJ, Schofer JM, Bollinger M, Reed JF III, Sierzenski PR. Performance of an ultrasound-guided thoracentesis teaching model. 2009;54:S34 (Research Forum abstracts)
Norton RL, Handel DA, Yackel TR. Change in staff opinions after initiation of emergency department full electronic health record. 2009;54:S107 (Research Forum abstracts)
Nouh A (*see* Chandra et al). 2009;54:S120 (Research Forum abstracts)
Nouhan PP (*see* Irvin et al). 2009;54:S25 (Research Forum abstracts)
Nowak R (*see* Peacock et al). 2009;54:S29 (Research Forum abstracts)
Nowak R (*see* Sen et al). 2009;54:S30 (Research Forum abstracts)
Nowicki TA (*see* Suozzi et al). 2009;54:S20 (Research Forum abstracts)
Nsa W (*see* Duseja et al). 2009;54:S65 (Research Forum abstracts)

O

O'Brien S (*see* Glickman et al). 2009;54:S2 (Research Forum abstracts)
O'Connor AB. The "1+1" protocol: risks, benefits, and alternatives. 2009;54:637–8 (Correspondence)
Ode Y, Okamoto K, Lee T, Takemoto M, Inoue Y, Matsuda S, Yamada Y, Tanaka H. Characteristics of waiting patients with abrupt deterioration in the emergency department. 2009;54:S119 (Research Forum abstracts)
O'Donnell MB (*see* Barata et al). 2009;54:S131 (Research Forum abstracts)
O'Donnell MB (*see* D'Amore et al). 2009;54:S143 (Research Forum abstracts)
O'Donnell MB (*see* Su et al). 2009;54:S79 (Research Forum abstracts)
O'Donnell MB, Ward MF, Patel S, Soohoo D, Zhang S, Siciliano G, Llovera I, Akerman M. The SAVED study: a six-year consecutive review of factors associated with loss of consciousness among sexual assault survivors in the emergency department. 2009;54:S136 (Research Forum abstracts)
Odufuye AO (*see* Jain et al). 2009;54:S112 (Research Forum abstracts)
Odufuye AO (*see* Manivannan et al). 2009;54:S113 (Research Forum abstracts)
Odufuye AO, Bellolio M, Jain A, Dhillon R, Manivannan V, Gilmore R, Chandra R, Palamari B, Decker W, Stead LG, Yerragondu N. Emergency department hyperglycemia as a predictor of mortality and functional outcome after intracerebral hemorrhage by diabetes mellitus status. 2009;54:S72 (Research Forum abstracts)
Ofuchi H (*see* Umezawa et al). 2009;54:S80 (Research Forum abstracts)
Ohman EM (*see* Chandra et al). 2009;54:17–25
Ohman-Strickland P (*see* Veysman et al). 2009;54:S71 (Research Forum abstracts)
Ohta B (*see* Imamura et al). 2009;54:S38 (Research Forum abstracts)
Ohta B (*see* Umezawa et al). 2009;54:S80 (Research Forum abstracts)
Okafor N, Roberts M, Thomas J, Houston C, Robinson D. Comparison of the health care utilization of resettled Hurricane Katrina victims. 2009;54:S136 (Research Forum abstracts)
Okamoto K (*see* Ode et al). 2009;54:S119 (Research Forum abstracts)
O'Laughlin KN, Go S, Gabayan GZ, Iqbal E, Merchant G, Lopez-Freeman R, Zucker MI, Hoffman J, Mower W. Fear of brain herniation from lumbar puncture: do history and physical exam indicate abnormalities on head computed tomography? 2009;54:S59 (Research Forum abstracts)
Olderog C (*see* Schmitz et al). 2009;54:S104 (Research Forum abstracts)
Olderog CK, Schmitz G, Pitotti R, Williams J, Huebner K, Livengood T, Ritz B. Double-blind, randomized, controlled multi-center trial of antibiotic treatment for uncomplicated skin abscesses in patients at risk for community-acquired methicillin-resistant *Staphylococcus aureus* infection: an interim analysis. 2009;54:S105 (Research Forum abstracts)
Oldfield JH (*see* Sullivan et al). 2009;54:S19 (Research Forum abstracts)
Olivares N (*see* Rivas et al). 2009;54:S139 (Research Forum abstracts)
Olives T (*see* Miner et al). 2009;54:S46 (Research Forum abstracts)
Olives T (*see* Prekker et al). 2009;54:S47 (Research Forum abstracts)

Olson JE (*see* Reese and Olson). 2009;54:S117 (Research Forum abstracts)
Olson KR (*see* Dart et al). 2009;54:386–94 (Concepts)
Olson M (*see* Burger et al). 2009;54:S93 (Research Forum abstracts)
O'Malley G (*see* Dart et al). 2009;54:386–94 (Concepts)
O'Malley GF (*see* Schroeder et al). 2009;54:S49 (Research Forum abstracts)
O'Neil BD, O'Neil C, Anderson S, Robinson D, Medado P, Clark C, O'Neil L, O'Neil BJ. A randomized controlled trial of the effect of energy drinks on exercise performance, dexterity, reaction time and vital signs before and after exercise. 2009;54:S116 (Research Forum abstracts)
O'Neil BJ (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)
O'Neil BJ, Ross M, Gallagher MJ, Wegner J, Goldstein JA, Raff G. Coronary CT angiography *versus* stress testing in predicting long-term adverse events: two-year follow-up of a randomized controlled trial. 2009;54:S116 (Research Forum abstracts)
O'Neil C (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)
O'Neil L (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)
O'Neill BJ (*see* Hoekstra et al). 2009;54:779–88
O'Neill R, Morales J, Jule M. Early goal-directed therapy for severe sepsis/septic shock: which components of treatment are more difficult to implement in a community-based emergency department? 2009;54:S25 (Research Forum abstracts)
Ong J (*see* Ngo et al). 2009;54:S113 (Research Forum abstracts)
Onishi S (*see* Shimizu et al). 2009;54:S94 (Research Forum abstracts)
Oostema A, Jones JS, Rossman L, Wynn B. Alcohol-related sexual assault victimization among adolescents. 2009;54:S27 (Research Forum abstracts)
Oosterhouse T, Loyson A, Bianco M, McNinch D, Jones JS. Clinical features of acute diverticulitis in very young patients. 2009;54:S32 (Research Forum abstracts)
O'Rourke D (*see* Sekhon et al). 2009;54:S115 (Research Forum abstracts)
Ortiz R (*see* Rivas et al). 2009;54:S139 (Research Forum abstracts)
Osborne B (*see* Dailey et al). 2009;54:S79 (Research Forum abstracts)
Oshiro A (*see* Shimizu et al). 2009;54:S94 (Research Forum abstracts)
Ostro B (*see* Veysman et al). 2009;54:S71 (Research Forum abstracts)
Ottolini SR. Through the looking glass. 2009;54:841–2 (Change of Shift)
Ou F (*see* Glickman et al). 2009;54:S2 (Research Forum abstracts)
Ou F-S (*see* Chandra et al). 2009;54:17–25
Overfield P (*see* Mersky et al). 2009;54:S94 (Research Forum abstracts)
Overton DT, Moorhead JC. Letters, we've got letters... 2009;54:751–2 (Editorial)
Owen K, Diercks D. Factors affecting time to head CT in trauma patients with intracerebral hemorrhage. 2009;54:S142 (Research Forum abstracts)
Ozaki Y (*see* Shimizu et al). 2009;54:S94 (Research Forum abstracts)

P

PAD Investigators (*see* Nichol et al). 2009;54:226–35
Padmanabhan P, Berkenbosch JW, Lorenz D, Pierce MC. Evaluation of cerebral oxygenation during procedural sedation in children using near infrared spectroscopy. 2009;54:205–13
Paine M (*see* Hong et al). 2009;54:S78 (Research Forum abstracts)
Paisley J (*see* Shah et al). 2009;54:S73 (Research Forum abstracts)
Pakiela J (*see* Smith et al). 2009;54:S129 (Research Forum abstracts)
Palamari B (*see* Jain et al). 2009;54:S112 (Research Forum abstracts)
Palamari B (*see* Odufuye et al). 2009;54:S72 (Research Forum abstracts)
Palamari B (*see* Stead et al). 2009;54:S111 (Research Forum abstracts)
Palamari B (*see* Veena et al). 2009;54:S112 (Research Forum abstracts)
Pallin D (*see* Schuur et al). 2009;54:S75 (Research Forum abstracts)
Pallin D (*see* Venkatesh et al). 2009;54:S76 (Research Forum abstracts)
Pallin DJ (*see* Raja et al). 2009;54:S9 (Research Forum abstracts)
Pallin DJ (*see* Smith et al). 2009;54:86–93
Pallin DJ (*see* Sullivan et al). 2009;54:S19 (Research Forum abstracts)
Palta A (*see* Mir et al). 2009;54:S91 (Research Forum abstracts)
Pancioli AM. Reflections. 2009;54:132 (Change of Shift)
Pandya D (*see* Schuur et al). 2009;54:S75 (Research Forum abstracts)
Pandya D (*see* Venkatesh et al). 2009;54:S76 (Research Forum abstracts)
Papa L (*see* Ladde et al). 2009;54:S42 (Research Forum abstracts)
Papa L (*see* Ladde et al). 2009;54:S84 (Research Forum abstracts)
Papa L (*see* Ramirez et al). 2009;54:S130 (Research Forum abstracts)
Papa MK (*see* Cattamanchi et al). 2009;54:S129 (Research Forum abstracts)
Parekh A (*see* Birkhahn et al). 2009;54:S76 (Research Forum abstracts)
Parekh A (*see* Birkhahn et al). 2009;54:S118 (Research Forum abstracts)
Parikh S (*see* Irvin et al). 2009;54:S123 (Research Forum abstracts)
Parisini E (*see* Platz et al). 2009;54:S88 (Research Forum abstracts)
Park E. Clinical experience of continuous renal replacement therapy as an extracorporeal elimination performed by emergency physicians in patients with poisoning. 2009;54:S115 (Research Forum abstracts)
Park E. Rebound hyperthermia after cessation of mild therapeutic hypothermia in patient with successful resuscitation from cardiac arrest. 2009;54:S25 (Research Forum abstracts)
Park T (*see* Jang et al). 2009;54:S139 (Research Forum abstracts)
Parker CE (*see* Fertel et al). 2009;54:S3 (Research Forum abstracts)
Parris M (*see* Hong et al). 2009;54:S78 (Research Forum abstracts)
Parwani V (*see* Horwitz et al). 2009;54:368–78
Pastin RB (*see* Venkat et al). 2009;54:S32 (Research Forum abstracts)
Patanwala A, Warholak-Jackson T, Sanders A, Erstad B. A prospective observational study of medication errors in a tertiary care academic emergency department. 2009;54:S44 (Research Forum abstracts)
Patel A (*see* Rumoro et al). 2009;54:S52 (Research Forum abstracts)
Patel B (*see* Summers et al). 2009;54:S103 (Research Forum abstracts)
Patel P (*see* Liteplo et al). 2009;54:S67 (Research Forum abstracts)
Patel P, Melissa S, Brunko M, Domeier R, Funk D, Greenberg R, Judge T, Lowell M, MacDonald R, Madden J, Thomas S, Howard Z. Intubation success rates in helicopter emergency medical services: a prospective multicenter analysis. 2009;54:S60 (Research Forum abstracts)
Patel R (*see* Miner et al). 2009;54:S46 (Research Forum abstracts)
Patel S (*see* D'Amore et al). 2009;54:S143 (Research Forum abstracts)
Patel S (*see* Miner et al). 2009;54:S46 (Research Forum abstracts)
Patel S (*see* O'Donnell et al). 2009;54:S136 (Research Forum abstracts)
Patel S (*see* Su et al). 2009;54:S79 (Research Forum abstracts)
Patel SR (*see* Ahn et al). 2009;54:S10 (Research Forum abstracts)
Patel T (*see* Kondamudi et al). 2009;54:S132 (Research Forum abstracts)
Patka J (*see* Rothschild et al). 2009;54:S44 (Research Forum abstracts)
Pattani S (*see* Mahler et al). 2009;54:S26 (Research Forum abstracts)
Pattee J (*see* Barcomb et al). 2009;54:S11 (Research Forum abstracts)
Patyrak S, Luber S. Evaluation of a non-contact infrared thermometer in an adult emergency department. 2009;54:S58 (Research Forum abstracts)
Paudel G (*see* Waseem et al). 2009;54:S3 (Research Forum abstracts)
Paulsen M (*see* Sasson et al). 2009;54:S140 (Research Forum abstracts)
Pazin-Filho A (*see* Franciscon et al). 2009;54:S8 (Research Forum abstracts)
Pazin-Filho A (*see* Lobo et al). 2009;54:S21 (Research Forum abstracts)
Pazin-Filho A (*see* Macedo and Pazin-Filho). 2009;54:S8 (Research Forum abstracts)
Pazo A, Hill J, Losek JD. Delayed repeat enema management of failed initial enema-reduction intussusception. 2009;54:S15 (Research Forum abstracts)
Peacock W (*see* Hoekstra et al). 2009;54:779–88
Peacock W IV, Diercks D, Hollander J, Singer A, Birkhahn R, Shapiro N, Lewandrowski E, Nagurney J. Can point-of-care assays deliver lab quality accuracy? 2009;54:S7 (Research Forum abstracts)
Peacock W IV, Hoekstra J, Krucoff M, Diercks D, Fermann G, Clark C, Grines C, Jois-Bilowich P. Early objective identification of chest pain patients at very low risk of 30-day adverse outcomes. 2009;54:S2 (Research Forum abstracts)

Peacock W IV, Nowak R, Maisel A, Di Somma S, Mockel M, Mueller C, Xavier Neath S, Hartman O, McCord J, Anker S. Acute heart failure mortality prediction using copeptin: results of the Biomarkers in ACute Heart failure trial. 2009;54:S29 (Research Forum abstracts)
Peacock WF (*see* Chandra et al). 2009;54:17–25
Peacock WF (*see* Phelan et al). 2009;54:S19 (Research Forum abstracts)
Pearce A (*see* Akpunonu et al). 2009;54:S38 (Research Forum abstracts)
Peebles M (*see* Turner-Lawrence et al). 2009;54: 344–8 (Brief research report)
Pellegrino B (*see* Ardolic et al). 2009;54:S122 (Research Forum abstracts)
Peng JS, Holmes JF. Out-of-hospital intubations: are patients well ventilated on emergency department arrival? 2009;54:S139 (Research Forum abstracts)
Penzias A (*see* Mostofi et al). 2009;54:S52 (Research Forum abstracts)
Pepe PE (*see* Black et al). 2009;54:S77 (Research Forum abstracts)
Perera P (*see* Walker et al). 2009;54:S120 (Research Forum abstracts)
Perino LJ (*see* Dell'Aglio et al). 2009;54:818–23 (Review article)
Perron AD (*see* Ferre et al). 2009;54:432–9
Perry C (*see* Damewood et al). 2009;54:S45 (Research Forum abstracts)
Perry C, Powers M, Damewood S, Jeanmonod D, Jeanmonod R. Beyond Boxer's: bony injuries sustained from punching. 2009;54:S27 (Research Forum abstracts)
Pestrue J (*see* Katz et al). 2009;54:S96 (Research Forum abstracts)
Peterson ED (*see* Chandra et al). 2009;54:17–25
Petzel R (*see* Martens et al). 2009;54:S123 (Research Forum abstracts)
Pfeiffer AM (*see* Agarwal et al). 2009;54:S61 (Research Forum abstracts)
Phanthavady T (*see* Gee et al). 2009;54:S12 (Research Forum abstracts)
Phanthavady T (*see* Groke et al). 2009;54:S46 (Research Forum abstracts)
Phelan MP, Wickline D, Glauser J, Peacock WF, Meredith R, Joyce M, Martin C, Sturges Smith L. A performance improvement audit to assess airway documentation: how well do emergency physicians document confirmation of endotracheal tube placement? 2009;54:S19 (Research Forum abstracts)
Phelan T, Chan W, Ewing J, Mahler S, Wang H. Effects of body mass index and B-type natriuretic peptide level in chronic heart failure patients. 2009;54:S56 (Research Forum abstracts)
Philbeck T (*see* Miller et al). 2009;54:S59 (Research Forum abstracts)
Philbeck T, Miller L, Montez D. Pain management during intraosseous infusion through the proximal humerus. 2009;54:S128 (Research Forum abstracts)
Phillips C, Bendeck K, Layman K, Milzman D, Antonis M. Rate and outcome of first trimester indeterminate pelvic ultrasounds in an urban emergency department. 2009;54:S101 (Research Forum abstracts)
Phillips RS (*see* Smith et al). 2009;54:86–93
Phua D-H (*see* Dart et al). 2009;54:386–94 (Concepts)
Piazza G, Goldhaber SZ. Chest computed tomography in the emergency department for suspected pulmonary embolism: it's time to practice what we preach. 2009;54:49–52 (Editorial)
Pierce MC (*see* Padmanabhan et al). 2009;54:205–13
Pierson EA (*see* Bloch et al). 2009;54:S13 (Research Forum abstracts)
Pineda N (*see* Aguilera et al). 2009;54:S54 (Research Forum abstracts)
Pineda N (*see* Aguilera et al). 2009;54:S55 (Research Forum abstracts)
Pines JM. Time to first antibiotic dose measurement in community-acquired pneumonia: time for a change. 2009;54:312 (Correspondence)
Pines JM (*see* Hoot et al). 2009;54:514–22
Pines JM (*see* Meisel et al). 2009;54:S78 (Research Forum abstracts)
Pines JM, Fieldston E, Hollander JE, Isserman JA, Lorch SA, Reilly PM, Terwiesch C, Heckman JD. The impact of emergency department boarding on hospital revenues. 2009;54:S75 (Research Forum abstracts)
Pines JM, Yealy DM. Advancing the science of emergency department crowding: measuerment and solutions. 2009;54:511–3 (Editorial)
Pinto D (*see* Hoekstra et al). 2009;54:779–88
Pisaturo JT (*see* Levitan et al). 2009;54:692–4 (Brief research report)
Pitetti RD (*see* Green et al). 2009;54:158–68; 54:171–80
Pitotti R (*see* Miller et al). 2009;54:S140 (Research Forum abstracts)
Pitotti R (*see* Olderog et al). 2009;54:S105 (Research Forum abstracts)
Pitotti R (*see* Schmitz et al). 2009;54:S104 (Research Forum abstracts)
Pitotti RL (*see* Bebarta et al). 2009;54:S59 (Research Forum abstracts)
Pittman D (*see* Greenfield et al). 2009;54:S62 (Research Forum abstracts)
Place R (*see* Neuner et al). 2009;54:S131 (Research Forum abstracts)
Place R, Howell J, Malubay S, Kou M. An analysis of prolonged length of stay in a pediatric emergency department. 2009;54:S74 (Research Forum abstracts)
Platz E, Goldflam K, Mennicke M, Parisini E, Christ M, Hohenstein C. Comparison of web-*versus* classroom-based basic ultrasound and extended focused assessment with sonography for trauma training in two European hospitals. 2009;54:S88 (Research Forum abstracts)
Plint AC (*see* Yarema et al). 2009;54:606–14
Plonk T, Gough JE, Brewer KL. Survey of medical decisionmaking: ability of the public to self-triage and recognize symptoms of emergency conditions. 2009;54:S49 (Research Forum abstracts)
Poirier RF (*see* Hendry et al). 2009;54:S53 (Research Forum abstracts)
Ponampalam R (*see* Ngo et al). 2009;54:S43 (Research Forum abstracts)
Ponampalam R (*see* Ngo et al). 2009;54:S113 (Research Forum abstracts)
Poojary I (*see* Chan et al). 2009;54:S72 (Research Forum abstracts)
Powers M (*see* Damewood et al). 2009;54:S45 (Research Forum abstracts)
Powers M (*see* Perry et al). 2009;54:S27 (Research Forum abstracts)
Prekker ME, Olives T, Hanley O, Miner JR. Emergency department patient acceptance of rapid HIV testing practices, revisited: the 2006 CDC recommendations for non-targeted, opt-out HIV screening. 2009;54:S47 (Research Forum abstracts)
Premo J (*see* Seitelman et al). 2009;54:854 (Images in Emergency Medicine)
Prestosh J (*see* Mersky et al). 2009;54:S94 (Research Forum abstracts)
Price D (*see* Zaia et al). 2009;54:133 (Images in Emergency Medicine)
Price MF (*see* Turner-Lawrence et al). 2009;54: 344–8 (Brief research report)
Pride YB (*see* Hoekstra et al). 2009;54:779–88
Propper BW (*see* Raja et al). 2009;54:S123 (Research Forum abstracts)
Prunty H (*see* Dailey et al). 2009;54:S79 (Research Forum abstracts)
Puchala G (*see* Bigler et al). 2009;54:S88 (Research Forum abstracts)
Purim-Shem-Tov Y (*see* Lewis et al). 2009;54:S50 (Research Forum abstracts)
Purin-Shem-Tov Y (*see* Lowman et al). 2009;54: S39 (Research Forum abstracts)
Purssell RA (*see* Yarema et al). 2009;54:606–14
Puthottile J (*see* Birkhahn et al). 2009;54:S118 (Research Forum abstracts)
Puyana J (*see* Guyette et al). 2009;54:S142 (Research Forum abstracts)

Q

Quality Improvement and Patient Safety Section Handoff Grant Team (*see* Cheung et al). 2009; 54:S133 (Research Forum abstracts)
Quest TE, Marco CA, Derse AR. Hospice and palliative medicine: new subspecialty, new opportunities. 2009;54:94–102 (Concepts)

R

Rabin E, Koita J, Salaam O, Richardson L. Emergency department nurse workloads and their contributors. 2009;54:S84 (Research Forum abstracts)
Rabinstein AA (*see* Stead et al). 2009;54:S111 (Research Forum abstracts)
Radeos MS (*see* Mejia et al). 2009;54:S15 (Research Forum abstracts)
Raff G (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)
Raghuthaman T (*see* Kondamudi et al). 2009;54: S132 (Research Forum abstracts)
Raio C (*see* Barata et al). 2009;54:S131 (Research Forum abstracts)
Raja A (*see* Talley et al). 2009;54:S102 (Research Forum abstracts)
Raja AS (*see* Camargo et al). 2009;54:S86 (Research Forum abstracts)
Raja AS (*see* Ginde et al). 2009;54:S75 (Research Forum abstracts)
Raja AS (*see* Handel et al). 2009;54:S51 (Research Forum abstracts)
Raja AS, Lindsell CJ, Bernstein JA, Codispoti CD, Moellman JJ. The use of penicillin skin testing to assess the prevalence of penicillin allergy in an emergency department setting. 2009;54:72–7
Raja AS, Propper BW, Matchette MW, VandenBerg SL, Rasmussen TE, Johannigman JA, Davidson SB. Imaging utilization during explosive multiple casualty incidents. 2009;54: S123 (Research Forum abstracts)

Raja AS, Sullivan AF, Pallin DJ, Bohan J, Camargo CA Jr. The use of video laryngoscopy in Massachusetts emergency departments. 2009; 54:S9 (Research Forum abstracts)
Ramaekers D (*see* Van de Velde et al). 2009;54: 447–57 (Critically appraised topic)
Ramakrishnan P (*see* Kondamudi et al). 2009;54: S132 (Research Forum abstracts)
Ramirez J, Ellis M, Papa L. An observational study of cutaneous abscess management in a pediatric emergency department setting. 2009;54:S130 (Research Forum abstracts)
Ranney M, Gjelsvik A. Predictors of being unsafe to answer intimate partner violence screening questions: findings from the Behavioral Risk Factor Surveillance System 2006. 2009;54: S126 (Research Forum abstracts)
Rask K (*see* Heins et al). 2009;54:S50 (Research Forum abstracts)
Rasmussen TE (*see* Raja et al). 2009;54:S123 (Research Forum abstracts)
Ravikumar D, Hsia R. Poor and sick: do low-income areas have fewer emergency departments? 2009;54:S64 (Research Forum abstracts)
Rawstron S (*see* Kondamudi et al). 2009;54:S91 (Research Forum abstracts)
Ray D (*see* Gilmer et al). 2009;54:S70 (Research Forum abstracts)
Ray D (*see* Kiebel et al). 2009;54:S32 (Research Forum abstracts)
Ray JG (*see* Vermeulen et al). 2009;54:794–804
Raymond K. Point of the ploughshare. 2009;54: 753 (Change of Shift)
Reardon R (*see* Hill et al). 2009;54:S21 (Research Forum abstracts)
Reardon R (*see* Hill et al). 2009;54:S138 (Research Forum abstracts)
Reardon R (*see* Holm et al). 2009;54:S88 (Research Forum abstracts)
Rechtin C, Rossman L, Jones JS, Wynn B. The effects of skin pigmentation on the detection of genital injury from sexual assault: a population-based study. 2009;54:S92 (Research Forum abstracts)
Reddin CJ (*see* Tanabe et al). 2009;54:S14 (Research Forum abstracts)
Reddy L (*see* Birkhahn et al). 2009;54:S118 (Research Forum abstracts)
Reddy V (*see* Mejia et al). 2009;54:S15 (Research Forum abstracts)
Reed J (*see* Farley et al). 2009;54:S96 (Research Forum abstracts)
Reed J (*see* Murphy et al). 2009;54:S126 (Research Forum abstracts)
Reed J (*see* Richardson et al). 2009;54:S44 (Research Forum abstracts)
Reed J III (*see* Bauman et al). 2009;54:S87 (Research Forum abstracts)
Reed J III (*see* Farley et al). 2009;54:S52 (Research Forum abstracts)
Reed J III (*see* Matthews et al). 2009;54:S77 (Research Forum abstracts)
Reed J III (*see* Sierzenski et al). 2009;54:S68 (Research Forum abstracts)
Reed JF III (*see* Nomura et al). 2009;54:S34 (Research Forum abstracts)
Rees MI (*see* MacCormick et al). 2009;54:26–32
Reese A, Olson JE. Regulation of the neuronal taurine transporter protein. 2009;54:S117 (Research Forum abstracts)
Reese CL (*see* Farley et al). 2009;54:S96 (Research Forum abstracts)
Reese CL IV (*see* Farley et al). 2009;54:S52 (Research Forum abstracts)
Reilly PM (*see* Pines et al). 2009;54:S75 (Research Forum abstracts)
Reinert S (*see* Lee et al). 2009;54:593–9
Resop D (*see* Montoya et al). 2009;54:S101 (Research Forum abstracts)
Resurreccion D (*see* Bauman et al). 2009;54:S87 (Research Forum abstracts)
Reynolds T (*see* Baquero et al). 2009;54:S18 (Research Forum abstracts)
Reynolds T (*see* Waseem et al). 2009;54:S41 (Research Forum abstracts)
Rhodes KV, Vieth TL, Kushner H, Levy H, Asplin BR. Referral without access: for psychiatric services, wait for the beep. 2009;54:272–8
Rhyee S (*see* Dart et al). 2009;54:386–94 (Concepts)
Richardson D (*see* Miller et al). 2009;54:S30 (Research Forum abstracts)
Richardson D, Rupp V, Fredericks K, Talmage C, Reed J. Materials management of a busy emergency department. 2009;54:S44 (Research Forum abstracts)
Richardson L (*see* Chan et al). 2009;54:S72 (Research Forum abstracts)
Richardson L (*see* Rabin et al). 2009;54:S84 (Research Forum abstracts)
Richardson LD (*see* Heins et al). 2009;54:S19 (Research Forum abstracts)
Richerson PJ, Morgan DL, Burr MF, Stone CK. Does a clinical productivity incentive plan work for emergency medicine faculty? 2009; 54:S4 (Research Forum abstracts)
Richman PB (*see* Beam et al). 2009;54:147–52
Riddell MA, Kelly HA, Featherstone D, Rota P. Laboratory testing and confirmation of suspected measles infection crucial in countries that have eliminated measles. 2009;54:639–40 (Correspondence)
Riggs R (*see* Bloomer et al). 2009;54:S115 (Research Forum abstracts)
Rittenberger JC (*see* Machi et al). 2009;54:S132 (Research Forum abstracts)
Rittenberger JC, Callaway CW. Transport of patients after out-of-hospital cardiac arrest: closest facility or most appropriate facility? 2009;54:256–7 (Editorial)
Ritz B (*see* Olderog et al). 2009;54:S105 (Research Forum abstracts)
Rivard L (*see* Lobon et al). 2009;54:S6 (Research Forum abstracts)
Rivard L (*see* Sayah et al). 2009;54:S51 (Research Forum abstracts)
Rivas F (*see* Rivas et al). 2009;54:S139 (Research Forum abstracts)
Rivas F Jr, Olivares N, Yerenas S, Ortiz R, Rodarte K, Valdez L, Rivas F. Alpha (2B)-adrenergic receptor gene polymorphism and the response to epinephrine in cardiopulmonary resuscitation. 2009;54:S139 (Research Forum abstracts)
River G (*see* Stein et al). 2009;54:33–40
River G, Hebig A, McAlpine I, Stein J. Nurse-operated ultrasound for difficult intravenous access: a randomized trial. 2009;54:S87 (Research Forum abstracts)
Ro Y (*see* Choi et al). 2009;54:S95 (Research Forum abstracts)
Ro Y (*see* Lee et al). 2009;54:S96 (Research Forum abstracts)
Roback MG (*see* Green et al). 2009;54:158–68; 54:171–80
Robert L (*see* McNaughton et al). 2009;54:214–20
Roberts M (*see* Okafor et al). 2009;54:S136 (Research Forum abstracts)
Roberts RR, Rodrigo Y, Kampe LM, Bowman SH, Ahmad I. Are public hospitals more efficient in providing health care? 2009;54:S85 (Research Forum abstracts)
Robertson NB (*see* Vilke et al). 2009;54:S120 (Research Forum abstracts)
Robinson D (*see* Okafor et al). 2009;54:S136 (Research Forum abstracts)
Robinson D (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)
Robinson D (*see* Swor et al). 2009;54:S63 (Research Forum abstracts)
Robinson D (*see* Wiederhold et al). 2009;54:S59 (Research Forum abstracts)
Robinson JA, Kacprowicz RF, Lyon R. Automated referral for elevated blood pressure has no impact on patient knowledge of referral. 2009; 54:S107 (Research Forum abstracts)
Robinson KJ (*see* Suozzi et al). 2009;54:S20 (Research Forum abstracts)
Roblin PM (*see* Fertel et al). 2009;54:S3 (Research Forum abstracts)
Rocchini A (*see* Bastani et al). 2009;54:S8 (Research Forum abstracts)
Rodarte K (*see* Rivas et al). 2009;54:S139 (Research Forum abstracts)
Rodgers N (*see* Ladde et al). 2009;54:S42 (Research Forum abstracts)
Rodrigo Y (*see* Roberts et al). 2009;54:S85 (Research Forum abstracts)
Rodriguez R (*see* Romero et al). 2009;54:S37 (Research Forum abstracts)
Rodriguez R (*see* Taira et al). 2009;54:S26 (Research Forum abstracts)
Roe E (*see* Swor et al). 2009;54:S63 (Research Forum abstracts)
Roe MT (*see* Chandra et al). 2009;54:17–25
Roex A (*see* Van de Velde et al). 2009;54:447–57 (Critically appraised topic)
Rogers J (*see* Camargo et al). 2009;54:S86 (Research Forum abstracts)
Rogers J (*see* Handel et al). 2009;54:S51 (Research Forum abstracts)
Romero K, Rodriguez R, Chiang W, Fortman J, Colucci A. External site testing of an instrument to predict endocarditis in injection drug users with fever. 2009;54:S37 (Research Forum abstracts)
Rosania A (*see* Lamba et al). 2009;54:S51 (Research Forum abstracts)
Rosborough S (*see* Schuur et al). 2009;54:S75 (Research Forum abstracts)
Rosborough S (*see* Venkatesh et al). 2009;54:S76 (Research Forum abstracts)
Rosenberg D (*see* Hannafin et al). 2009;54:471–2 (CDC Update)
Rosenberg M (*see* Wu et al). 2009;54:S34 (Research Forum abstracts)
Rosenberg M (*see* Wu et al). 2009;54:S67 (Research Forum abstracts)
Rosh AJ. The lion's roar. 2009;54:625–6 (Change of Shift)
Rosh AJ (*see* Mishkin and Rosh). 2009;54:155 (Images in Emergency Medicine)
Ross E (*see* Farley et al). 2009;54:S96 (Research Forum abstracts)
Ross M (*see* Lipe et al). 2009;54:S57 (Research Forum abstracts)
Ross M (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)

Rossman L (*see* Burger et al). 2009;54:S93 (Research Forum abstracts)
Rossman L (*see* Oostema et al). 2009;54:S27 (Research Forum abstracts)
Rossman L (*see* Rechtin et al). 2009;54:S92 (Research Forum abstracts)
Rota P (*see* Riddell et al). 2009;54:639–40 (Correspondence)
Rothenberger MP (*see* Carpenter et al). 2009;54: S82 (Research Forum abstracts)
Rothman RE (*see* Chen et al). 2009;54:734–6 (CDC Update)
Rothman RE (*see* Kelen and Rothman). 2009;54: 65–71 (Editorial)
Rothman RE (*see* Morton et al). 2009;54:S123 (Research Forum abstracts)
Rothschild JM, Churchill W, Erickson A, Munz K, Schuur JD, Salzberg CA, Shane R, Patka J, Steffenhegan A, Bates DW. Medication errors recovered by emergency department pharmacists. 2009;54:S44 (Research Forum abstracts)
Roudsari B, Caetano R, Frankowski R, Field C. Do minority or white patients respond to brief alcohol intervention in trauma centers? A randomized trial. 2009;54:285–93
Rubal BJ (*see* De Lorenzo et al). 2009;54:S99 (Research Forum abstracts)
Rubal BJ, Ward JA, Jordan BS, Hanson CE, Medina JS, Holbrook-Emmons VL, De Lorenzo RA. A manometric method for evaluating flow dynamics and thrombus burden of intraosseous devices: theory and application. 2009;54:S99 (Research Forum abstracts)
Rubin D (*see* Acosta et al). 2009;54:S50 (Research Forum abstracts)
Rubio S (*see* Weichenthal et al). 2009;54:S36 (Research Forum abstracts)
Ruggiero L (*see* Akpunonu et al). 2009;54:S38 (Research Forum abstracts)
Ruha A-M (*see* Levine and Ruha). 2009;54:477–8 (Correspondence)
Rumack BH (*see* Yarema et al). 2009;54:606–14
Rumack BH (*see* Yarema et al). 2009;54:85 (Correspondence reply)
Rumoro D (*see* Shah et al). 2009;54:S54 (Research Forum abstracts)
Rumoro D, Shah S, Patel A, Hohmann S, Fullam F. Managing patient expectations at emergency department triage. 2009;54:S52 (Research Forum abstracts)
Rumoro DP (*see* Lowman et al). 2009;54:S39 (Research Forum abstracts)
Ruokonen E (*see* Leppikangas et al). 2009;54:811–7
Rupp V (*see* Boucher et al). 2009;54:S113 (Research Forum abstracts)
Rupp V (*see* Faccio et al). 2009;54:S124 (Research Forum abstracts)
Rupp V (*see* Miller et al). 2009;54:S30 (Research Forum abstracts)
Rupp V (*see* Murphy et al). 2009;54:S126 (Research Forum abstracts)
Rupp V (*see* Richardson et al). 2009;54:S44 (Research Forum abstracts)
Rusczyk G, Bhatt S, Amodeo D, Cregin R, Green JP. A clinical study to evaluate the efficacy of 4% liposomal lidocaine as compared to placebo for pain reduction of nonemergent venipuncture in adults. 2009;54:S15 (Research Forum abstracts)
Rush A (*see* Lowman et al). 2009;54:S39 (Research Forum abstracts)
Rush C (*see* Drigalla et al). 2009;54:S138 (Research Forum abstracts)
Rush C (*see* Toofan et al). 2009;54:S63 (Research Forum abstracts)
Rushton W (*see* Milzman et al). 2009;54:S125 (Research Forum abstracts)
Russ S (*see* Barrett et al). 2009;54:S1 (Research Forum abstracts)
Russell S (*see* Larson et al). 2009;54:S142 (Research Forum abstracts)
Russell S, Monroe K, Losek JD. Anaphylaxis management in the pediatric emergency department: opportunities for improvement. 2009;54:S16 (Research Forum abstracts)
Russi CS (*see* Myers and Russi). 2009;54:S35 (Research Forum abstracts)
Russi CS (*see* Myers and Russi). 2009;54:S62 (Research Forum abstracts)
Rutanen J (*see* Leppikangas et al). 2009;54:811–7
Rutledge T (*see* Yarema et al). 2009;54:606–14
Ruygrok ML, Byyny RL, Haukoos JS, for the Colorado Cardiac Arrest & Resuscitation Collaborative Study Group and the Denver Metro EMS Medical Directors. Validation of 3 termination of resuscitation criteria for good neurologic survival after out-of-hospital cardiac arrest. 2009;54:239–47
Ryan FJ (*see* Lundin et al). 2009;54:S98 (Research Forum abstracts)
Ryan JG (*see* Barlas and Ryan). 2009;54:S11 (Research Forum abstracts)
Ryan JG (*see* Barlas and Ryan). 2009;54:S33 (Research Forum abstracts)
Rzechula K (*see* Tekwani et al). 2009;54:S4 (Research Forum abstracts)

S

Sabbaj A (*see* Hall et al). 2009;54:S87 (Research Forum abstracts)
Sachs C (*see* Sun and Sachs). 2009;54:S134 (Research Forum abstracts)
Sadosty AT (*see* Lindor et al). 2009;54:S13 (Research Forum abstracts)
Saef SH, Gist A, Carr CM, Headden G, Lukasavage JN. Does a team triage service affect patient satisfaction in an urban academic emergency department? 2009;54:S4 (Research Forum abstracts)
Sakles JC, Chiu SF. Changes in emergency department airway management over the last 12 years. 2009;54:S137 (Research Forum abstracts)
Salaam O (*see* Rabin et al). 2009;54:S84 (Research Forum abstracts)
Salama M (*see* Taira et al). 2009;54:S26 (Research Forum abstracts)
Salazar A (*see* Ferre et al). 2009;54:S38 (Research Forum abstracts)
Salo D (*see* Bloomer et al). 2009;54:S115 (Research Forum abstracts)
Salvucci AA Jr, Squire BT, Kaji AH, Niemann JT, Chase DG. Improvement in bag-mask ventilation performance after training with a novel terminal feedback manikin system. 2009; 54:S62 (Research Forum abstracts)
Salzberg CA (*see* Rothschild et al). 2009;54:S44 (Research Forum abstracts)
Sama A (*see* Barata et al). 2009;54:S131 (Research Forum abstracts)
Sama A (*see* Wang et al). 2009;54:S99 (Research Forum abstracts)
Samlan SR (*see* Krieg et al). 2009;54:S94 (Research Forum abstracts)
Sandefur BJ (*see* Agarwal et al). 2009;54:S118 (Research Forum abstracts)
Sandefur BJ (*see* Jain et al). 2009;54:S117 (Research Forum abstracts)
Sanders A (*see* Patanwala et al). 2009;54:S44 (Research Forum abstracts)
Sanders AB (*see* Bobrow et al). 2009;54:656–62
Sandoval M, Coleman P, Govani R, Siddiqui S, Todd KH. Hyaluronidase-enhanced subcutaneous hydration and opioid administration for sickle cell disease acute pain episodes. 2009;54:S127 (Research Forum abstracts)
Sandoval S (*see* Taira et al). 2009;54:S26 (Research Forum abstracts)
Santen SA. Manual of emergency and critical care ultrasound. 2009;54:315–6 (Book and Media Reviews)
Santiago MJ (*see* Hansen et al). 2009;54:S65 (Research Forum abstracts)
Santora C (*see* Viccellio et al). 2009;54:487–91
Saripella S (*see* Virk et al). 2009;54:S39 (Research Forum abstracts)
Sarmiento KF (*see* Schwartz et al). 2009;54:421–3 (Case report)
Sarode R, Matevosyan K. Prothrombin complex concentrate and fatal thrombosis: poor evidence to implicate a relatively safe drug. 2009;54:481–82 (Correspondence)
Sarsfield MJ, Callahan JM, Grant WD, Morley EJ. Evaluation of emergency medicine discharge instructions in pediatric head injury. 2009;54: S90 (Research Forum abstracts)
Sasson C, Paulsen M, Haddock A, Silbergleit R. Out-of-hospital cardiac arrest: are we getting our money's worth? 2009;54:S140 (Research Forum abstracts)
Sattarian M, Shesser R. An analysis of emergency department flow, severity and congestion factors that are associated with decreases in the left without being seen rate. 2009;54:S5 (Research Forum abstracts)
Saul T, Lewiss RE, Del Rios M. How accurate is the last menstrual period in dating a first trimester pregnancy? 2009;54:S68 (Research Forum abstracts)
Sawamoto K (*see* Mori et al). 2009;54:S23 (Research Forum abstracts)
Sawyer M (*see* Thompson et al). 2009;54:S12 (Research Forum abstracts)
Sayage V (*see* Zito et al). 2009;54:S44 (Research Forum abstracts)
Sayah A (*see* Smulowitz et al). 2009;54:S84 (Research Forum abstracts)
Sayah A, Lobon L, Rivard L, Skura S. Emergency department operational improvements' impact on volume, quality core measures, patient stay and satisfaction. 2009;54:S51 (Research Forum abstracts)
Sayah AJ (*see* Lobon et al). 2009;54:S6 (Research Forum abstracts)
Scalea T (*see* Sen et al). 2009;54:S143 (Research Forum abstracts)
Schaeffer T (*see* Dart et al). 2009;54:386–94 (Concepts)

Schechter-Perkins E, Murray K, St. George J, Mitchell P. A survey of provider opinions regarding implementing rapid HIV testing in the emergency department of a safety net hospital. 2009;54:S104 (Research Forum abstracts)
Schmidt A (*see* Franciscon et al). 2009;54:S8 (Research Forum abstracts)
Schmitz G (*see* Olderog et al). 2009;54:S105 (Research Forum abstracts)
Schmitz GR, Pitotti R, Olderog C, Livengood T, Williams J. Prospective randomized trial of trimethoprim-sulfamethoxazole vs placebo on 30-day recurrence rates for uncomplicated skin abscesses in patients at risk for community-acquired methicillin-resistant *Staphylococcus aureus* infection: an interim analysis. 2009;54:S104 (Research Forum abstracts)
Schneider H (*see* McIntosh et al). 2009;54:585–92
Schneir A (*see* Clark et al). 2009;54:309–10 (Correspondence)
Schnelle J (*see* Bryce et al). 2009;54:S80 (Research Forum abstracts)
Schofer J (*see* Matthews et al). 2009;54:S77 (Research Forum abstracts)
Schofer JM (*see* Bauman et al). 2009;54:S87 (Research Forum abstracts)
Schofer JM (*see* Nomura et al). 2009;54:S34 (Research Forum abstracts)
Schonberg MA (*see* Smith et al). 2009;54:86–93
Schriger DL. Moving beyond immobilization. 2009;54:153–4 (Editorial)
Schriger DL (*see* Arora and Schriger). 2009;54:628–34 (Journal Club)
Schriger DL (*see* Barrett and Schriger). 2009;54:672–3 (Journal Club)
Schriger DL (*see* Day and Schriger). 2009;54:9–11 (Journal Club)
Schriger DL (*see* Day and Schriger). 2009;54:843–53 (Journal Club)
Schriger DL (*see* Hoffman and Schriger). 2009;54:329–36
Schroeder JW, Carter MA, Jerusik B, Verma M, Heard K, O'Malley GF. Use of the descriptive term "experiment" does not significantly influence a potential subject's decision to participate in research. 2009;54:S49 (Research Forum abstracts)
Schulden JD (*see* White et al). 2009;54:56–64
Schull MJ (*see* Vermeulen et al). 2009;54:794–804
Schulman K (*see* Glickman et al). 2009;54:S97 (Research Forum abstracts)
Schultz BRE, Allen CH, Kaplan SL. Corticosteroids for acute bacterial meningitis. 2009;54:136–7 (Correspondence)
Schultz CH (*see* Kahn et al). 2009;54:424–30
Schuur J (*see* Venkatesh et al). 2009;54:S76 (Research Forum abstracts)
Schuur J, Crim H, Pandya D, Rosborough S, Venkatesh A, Villarreal R, Pallin D. A multifaceted quality improvement program improves hand hygiene compliance in the emergency department. 2009;54:S75 (Research Forum abstracts)
Schuur J, Moreau J, Bohan J, Fauchet G, Lobon L, Lyn E, Nathanson L, Stack A, Temin E, Tibbles C. Emergency department consultation practices and documentation vary widely across hospitals. 2009;54:S6 (Research Forum abstracts)
Schuur JD (*see* Horwitz et al). 2009;54:368–78
Schuur JD (*see* Rothschild et al). 2009;54:S44 (Research Forum abstracts)
Schuur JD (*see* Smulowitz et al). 2009;54:S84 (Research Forum abstracts)
Schwaab J (*see* Katz et al). 2009;54:S96 (Research Forum abstracts)
Schwartz EA, Hayes BD, Sarmiento KF. Development of hepatic failure despite use of intravenous acetylcysteine after a massive ingestion of acetaminophen and diphenhydramine. 2009;54:421–3 (Case report)
Schwartz MD (*see* Dell'Aglio et al). 2009;54:818–23 (Review article)
Schwartz R (*see* Greenfield et al). 2009;54:S62 (Research Forum abstracts)
Schwartz S (*see* Duseja et al). 2009;54:S65 (Research Forum abstracts)
Schwarz E (*see* Horwitz et al). 2009;54:S121 (Research Forum abstracts)
Sciorra D, Brenner J, Gill J, Linden A, Mazzarelli A. Impact of care management on the highest utilizers of Camden NJ's emergency departments. 2009;54:S47 (Research Forum abstracts)
Scott J (*see* Lyng et al). 2009;54:S24 (Research Forum abstracts)
Scott M (*see* Horwitz et al). 2009;54:S121 (Research Forum abstracts)
Scott S (*see* Lamba et al). 2009;54:S51 (Research Forum abstracts)
Scott S, Kassem JN, Nagurka R, Velasco W, Valenzuela R, Grant WD, Lamba S. Patient-perceived alcohol and substance abuse treatment needs: an urban emergency department pilot study. 2009;54:S48 (Research Forum abstracts)
Scribner AN (*see* White et al). 2009;54:56–64
Seftchick MW, Adler PH, Hsieh M, Wolfson AB, Chan S, Webster BW, Frattaroli GD. The prevalence and factors associated with QTc prolongation among emergency department patients. 2009;54:763–8
Seger D (*see* Dart et al). 2009;54:386–94 (Concepts)
Seifert SA (*see* Dart et al). 2009;54:386–94 (Concepts)
Seitelman E, Premo J, Cardoza S, Charbel I, Angus LDG. Youngman with fishing injury. 2009;54:854 (Images in Emergency Medicine)
Sekhon N, Fish L, Brewer KL, O'Rourke D, Meggs WJ. Diphenhydramine increases lethality in a porcine model of intravenous rattlesnake envenomation. 2009;54:S115 (Research Forum abstracts)
Sen A, Hegg AJ, Strote S, Miller JB. A comparison of inferior vena cava measurements in emergency department patients with acute systolic *versus* diastolic heart failure. 2009;54:S66 (Research Forum abstracts)
Sen A, Hu P, Mackenzie C, Dutton R, Jordan S, Xiao Y, Scalea T. Continuous out-of-hospital vital signs acquisition improves trauma triage. 2009;54:S143 (Research Forum abstracts)
Sen A, Hu P, Mackenzie C, Xiao Y, Dutton R. Video technologies in emergency health research in assessing quality of care: a study of trauma resuscitation milestones. 2009;54:S96 (Research Forum abstracts)
Sen A, Nowak R, Garcia AJ, Wilkie H, Moyer M. Continuous non-invasive hemodynamic monitoring using novel finger-cuff technology in emergency department patients: a pilot study. 2009;54:S30 (Research Forum abstracts)
Sepulveda P (*see* Lewis et al). 2009;54:S50 (Research Forum abstracts)
Serrano LA (*see* Agarwal et al). 2009;54:S118 (Research Forum abstracts)
Serrano LA (*see* Jain et al). 2009;54:S117 (Research Forum abstracts)
Serrano LA (*see* Vélez et al). 2009;54:S58 (Research Forum abstracts)
Seupaul RA, Worster A. Is this patient having a stroke? 2009;54:120–2 (Rational clinical examination abstract)
Seviour CA (*see* Yarema et al). 2009;54:606–14
Shah K, Cavallo E, Kurobe A, Paisley J, Newman DH. Can we defer a type and screen for pregnant patients with vaginal bleeding who "know" their blood type? 2009;54:S73 (Research Forum abstracts)
Shah K, Godbout B, Kwon A, Newman D, Wiener D. Yield of head computed tomography in the alcohol-intoxicated patient. 2009;54:S82 (Research Forum abstracts)
Shah MP (*see* Carpenter et al). 2009;54:S82 (Research Forum abstracts)
Shah NR (*see* Horwitz et al). 2009;54:368–78
Shah S (*see* Levine et al). 2009;54:S91 (Research Forum abstracts)
Shah S (*see* Rumoro et al). 2009;54:S52 (Research Forum abstracts)
Shah S (*see* Zaia et al). 2009;54:133 (Images in Emergency Medicine)
Shah S, Silva J, Ward E, Rumoro D. Emergency department inpatient bed management inventory system. 2009;54:S54 (Research Forum abstracts)
Shahin G (*see* Summers et al). 2009;54:S103 (Research Forum abstracts)
Shane R (*see* Rothschild et al). 2009;54:S44 (Research Forum abstracts)
Shapiro JS (*see* Genes and Shapiro). 2009;54:S107 (Research Forum abstracts)
Shapiro N (*see* Peacock et al). 2009;54:S7 (Research Forum abstracts)
Sharma N (*see* Waseem et al). 2009;54:S3 (Research Forum abstracts)
Sharretts J (*see* Dubin et al). 2009;54:S18 (Research Forum abstracts)
Shaver E (*see* Tadros et al). 2009;54:S80 (Research Forum abstracts)
Shaw GJ III (*see* Smith and Shaw). 2009;54:S100 (Research Forum abstracts)
Shaw S (*see* Weber et al). 2009;54:635 (Images in Emergency Medicine)
Shayne P. Against routine initiation of antihypertensive therapy in the emergency department. 2009;54:792 (Editorial)
Shea JM (*see* Venkat et al). 2009;54:S32 (Research Forum abstracts)
Shear M (*see* Tollefsen et al). 2009;54:S17 (Research Forum abstracts)
Shear ML, Adler JN, Shewakramani S, Ilgen J, Soremekun O, Nelson SW, Thomas SH. Transbuccal fentanyl for rapid relief of orthopedic pain in the emergency department. 2009;54:S128 (Research Forum abstracts)
Shearer P. Do attitudes about homosexuality affect emergency medicine practice? Results of a survey. 2009;54:S47 (Research Forum abstracts)

Shearer P (*see* Greene et al). 2009;54:S33 (Research Forum abstracts)
Shearer P (*see* Hermann et al). 2009;54:S8 (Research Forum abstracts)
Shelling AN (*see* MacCormick et al). 2009;54:26–32
Shen Y (*see* Hsia and Shen). 2009;54:S85 (Research Forum abstracts)
Sherbino J. How do I treat pediatric wrist fractures? 2009;54:541–2 (Systematic review abstract)
Sherbino J (*see* Vadera and Sherbino). 2009;54:126–7 (Rational clinical examination abstract)
Sherwin R, Mango L, Medado P, Levy P. Describing global and tissue level perfusion in congestive heart failure patients presenting to an urban emergency department: a pilot study. 2009;54:S56 (Research Forum abstracts)
Shesser R (*see* Sattarian and Shesser). 2009;54:S5 (Research Forum abstracts)
Shewakramani S (*see* Shear et al). 2009;54:S128 (Research Forum abstracts)
Shih RD, Silverman M. Objective structured clinical examination performance *versus* faculty evaluation of resident performance. 2009;54:S124 (Research Forum abstracts)
Shih S (*see* Felderman et al). 2009;54:S37 (Research Forum abstracts)
Shimizu T, Takahashi I, Morishita Y, Kamoshida H, Onishi S, Naito Y, Oshiro A, Henzan N, Mizuno H, Ozaki Y. Can coagulation markers on arrival predict neurological outcome in patients with traumatic brain injury? 2009;54:S94 (Research Forum abstracts)
Shin J (*see* Choi et al). 2009;54:S93 (Research Forum abstracts)
Shin S (*see* Choi et al). 2009;54:S95 (Research Forum abstracts)
Shin S (*see* Kim et al). 2009;54:S86 (Research Forum abstracts)
Shin S (*see* Lee et al). 2009;54:S96 (Research Forum abstracts)
Shiver S (*see* Bloch et al). 2009;54:S102 (Research Forum abstracts)
Shiver SA (*see* Greenfield et al). 2009;54:S62 (Research Forum abstracts)
Shiver SA (*see* Lyon et al). 2009;54:S69 (Research Forum abstracts)
Shiver SA (*see* Lyon et al). 2009;54:S100 (Research Forum abstracts)
Shoenberger JM (*see* Urdang et al). 2009;54:S141 (Research Forum abstracts)
Shoenberger JM, Triamarit P, Urdang MS, Hollinger M, McClung CD, Mallon WK. Metabolic profiles, coagulopathy and survivorship in accidental urban hypothermia. 2009;54:S141 (Research Forum abstracts)
Shofer FS (*see* Cruz et al). 2009;54:1–7
Shofer FS (*see* Mittal et al). 2009;54:523–7
Shostrom V (*see* Adhikari et al). 2009;54:S55 (Research Forum abstracts)
Shroyer SR, Mehta S. Screening strategies for early identification of spine infections in patients presenting to emergency departments with severe back or neck pain. 2009;54:S104 (Research Forum abstracts)
Shukla KT, Eilbert W, Sloan E. Severity of illness does not differ based on insurance status in two urban emergency departments. 2009;54:S65 (Research Forum abstracts)
Shum L, Guyette F, Emlet L. Emergency physician ability to predict difficult endotracheal intubations. 2009;54:S21 (Research Forum abstracts)
Siciliano G (*see* O'Donnell et al). 2009;54:S136 (Research Forum abstracts)
Siddiqui S (*see* Sandoval et al). 2009;54:S127 (Research Forum abstracts)
Siegel BK (*see* Bilaniuk et al). 2009;54:S93 (Research Forum abstracts)
Sierzenski P (*see* Bauman et al). 2009;54:S87 (Research Forum abstracts)
Sierzenski P, Kochert E, Mink JT, Cook D, Nichols WL, Reed J III, Nomura J. Time to identify needle tip location is independent of ultrasound transducer orientation and physician level of training. 2009;54:S68 (Research Forum abstracts)
Sierzenski PR (*see* Nomura et al). 2009;54:S34 (Research Forum abstracts)
Silbergleit R. A hundred (and one) graphs tell only part of the story. 2009;54:342–3 (Editorial)
Silbergleit R (*see* Sasson et al). 2009;54:S140 (Research Forum abstracts)
Silka P (*see* Torbati et al). 2009;54:S73 (Research Forum abstracts)
Sills R (*see* Irvin et al). 2009;54:S77 (Research Forum abstracts)
Silva J (*see* Shah et al). 2009;54:S54 (Research Forum abstracts)
Silverman M (*see* Shih and Silverman). 2009;54:S124 (Research Forum abstracts)
Simeone SJ (*see* Wang et al). 2009;54:645–52
Simmons M (*see* Berios et al). 2009;54:S35 (Research Forum abstracts)
Simpson C (*see* Wu et al). 2009;54:S34 (Research Forum abstracts)
Simpson C (*see* Wu et al). 2009;54:S67 (Research Forum abstracts)
Sinclair J (*see* White et al). 2009;54:S74 (Research Forum abstracts)
Sinert R (*see* Hom and Sinert). 2009;54:117–9 (Systematic review abstract)
Sinert R (*see* Wilkerson and Sinert). 2009;54:465–8 (Rational clinical examination abstract)
Sinert R, Doty CI, Brown MD. Bicarbonate to prevent contrast-induced nephropathy in the emergency department: does the Brar study change recommendations? 2009;54:e6–e7 (Brief commentary)
Sinert R, Doty CI. Update: prevention of contrast-induced nephropathy in the emergency department. 2009;54:e1–e5 (Critically appraised topic)
Sinex JE (*see* Lyon et al). 2009;54:S69 (Research Forum abstracts)
Singer A (*see* Peacock et al). 2009;54:S7 (Research Forum abstracts)
Singer AJ (*see* Chohan and Singer). 2009;54:S41 (Research Forum abstracts)
Singer AJ (*see* Garra et al). 2009;54:S43 (Research Forum abstracts)
Singer AJ (*see* Lim et al). 2009;54:S98 (Research Forum abstracts)
Singer AJ (*see* Taira et al). 2009;54:S26 (Research Forum abstracts)
Singer AJ (*see* Viccellio et al). 2009;54:487–91
Singer AJ (*see* Wilkie et al). 2009;54:S134 (Research Forum abstracts)
Singer AJ (*see* Zito et al). 2009;54:S7 (Research Forum abstracts); 54:S44 (Research Forum abstracts)
Singer AJ, Taira BR, Dagum AB, Hollander JE. Interobserver reliability of a novel scar evaluation scale. 2009;54:S49 (Research Forum abstracts)
Singer AJ, Viccellio AW, Thode HC Jr, Choy C, Henry MC. Association between length of emergency department boarding, mortality and length of hospital stay. 2009;54:S134 (Research Forum abstracts)
Singer S (*see* Liu et al). 2009;54:S66 (Research Forum abstracts)
Singh S (*see* Dickson et al). 2009;54:504–10
Singh SJ (*see* Turner-Lawrence et al). 2009;54:344–8 (Brief research report)
Singh V (*see* Chandra et al). 2009;54:S72 (Research Forum abstracts)
Singhal A (*see* Chan et al). 2009;54:S72 (Research Forum abstracts)
Singla A, Gupta S, Garg N, Bharati A, Chun P. The significance of the wall echo shadow triad on ultrasonography in emergency department patients. 2009;54:S102 (Research Forum abstracts)
Sinha S, Callan EM, Akpunonu P, Baehren D, Marco C. How does use of a statewide prescription monitoring program affect emergency department prescribing behaviors? 2009;54:S14 (Research Forum abstracts)
Sivilotti ML (*see* Yarema et al). 2009;54:85 (Correspondence reply)
Sivilotti MLA (*see* Dart et al). 2009;54:386–94 (Concepts)
Sivilotti MLA (*see* Yarema et al). 2009;54:606–14
Skinner JR (*see* MacCormick et al). 2009;54:26–32
Skura S (*see* Lobon et al). 2009;54:S6 (Research Forum abstracts)
Skura S (*see* Sayah et al). 2009;54:S51 (Research Forum abstracts)
Slattery DE (*see* Virk et al). 2009;54:S39 (Research Forum abstracts)
Slattery DE, Munassi D, Khine L, McCoy G, Forred W. Performance of a novel Spanish-language chest pain tool for evaluation, risk-stratification, and dissection/fibrinolysis screening in Spanish-speaking emergency department patients. 2009;54:S56 (Research Forum abstracts)
Sloan E (*see* Shukla et al). 2009;54:S65 (Research Forum abstracts)
Smith AK, Fisher J, Schonberg MA, Pallin DJ, Block SD, Forrow L, Phillips RS, McCarthy EP. Am I doing the right thing? Provider perspectives on improving palliative care in the emergency department. 2009;54:86–93
Smith DA (*see* Smith et al). 2009;54:S129 (Research Forum abstracts)
Smith DA, Shaw GJ III. Intracranial constructive interference of low frequency ultrasound: an in-vitro pilot study of parameter dependence. 2009;54:S100 (Research Forum abstracts)
Smith J (*see* McIntosh et al). 2009;54:585–92
Smith MD, Wang Y, Smith DA, Pakiela J, Emerman CL. The efficacy and adverse events of morphine *versus* fentanyl on a physician-staffed helicopter. 2009;54:S129 (Research Forum abstracts)
Smith SW. Additional diagnostic utility of upright T-wave in V1 and T-wave V1 *vs.* T-wave in V6 in differentiating acute anterior ST-elevation myocardial infarction from benign early repolarization. 2009;54:S9 (Research Forum abstracts)

Smith SW. The textbook of emergency cardiovascular care and CPR. 2009;54:643–4 (Book and Media Reviews)
Smulowitz PB, Adelman L, Lipton R, Burke L, Weiner S, Sayah A, Baugh CW, Burke MC, Landon BE. The impact of health care reform in Massachusetts on emergency department use by uninsured and publicly subsidized individuals. 2009;54:S84 (Research Forum abstracts)
Smulowitz PB, Baugh CW, Schuur JD, Liu SW, Lipton RB, Wharam JF, Landon BE. Change in acuity of emergency department visits after Massachusetts health care reform. 2009;54:S84 (Research Forum abstracts)
Snow J (*see* Akpunonu et al). 2009;54:S38 (Research Forum abstracts)
Snyder TA (*see* Levitan et al). 2009;54:692–4 (Brief research report)
Soohoo D (*see* D'Amore et al). 2009;54:S143 (Research Forum abstracts)
Soohoo D (*see* O'Donnell et al). 2009;54:S136 (Research Forum abstracts)
Soohoo D (*see* Su et al). 2009;54:S79 (Research Forum abstracts)
Soremekun O (*see* Shear et al). 2009;54:S128 (Research Forum abstracts)
Spadaccini C (*see* Miller et al). 2009;54:S59 (Research Forum abstracts)
Spaite DW. Lay responder defibrillation, pancake breakfasts, and survival from out-of-hospital cardiac arrest. 2009;54:236–8 (Editorial)
Spaite DW (*see* Bobrow and Spaite). 2009;54:653–5 (Editorial)
Spaite DW, Stiell IG, Bobrow BJ, de Boer M, Maloney J, Denninghoff K, Vadeboncoeur TF, Dreyer J, Wells GA. Effect of transport interval on out-of-hospital cardiac arrest survival in the OPALS Study: implications for triaging patients to specialized cardiac arrest centers. 2009;54:248–55
Spiro D (*see* Hall et al). 2009;54:S87 (Research Forum abstracts)
Spyker DA (*see* Yarema et al). 2009;54:606–14
Spyker DA (*see* Yarema et al). 2009;54:85 (Correspondence reply)
Squire BT (*see* Salvucci et al). 2009;54:S62 (Research Forum abstracts)
St. George J (*see* Schechter-Perkins et al). 2009;54:S104 (Research Forum abstracts)
Staats P (*see* Lewis et al). 2009;54:S50 (Research Forum abstracts)
Stack A (*see* Schuur et al). 2009;54:S6 (Research Forum abstracts)
Staelin R (*see* Glickman et al). 2009;54:S97 (Research Forum abstracts)
Stake CE (*see* Martens et al). 2009;54:S123 (Research Forum abstracts)
Stallard T (*see* Drigalla et al). 2009;54:S138 (Research Forum abstracts)
Stark S (*see* Carpenter et al). 2009;54:S82 (Research Forum abstracts)
Starks SL (*see* Gabayan et al). 2009;54:S64 (Research Forum abstracts)
Starr GA, Stewart CE, Thomas SH, CCT CORE Research Group. Airway management by critical care teams is not associated with physiologic decompensation. 2009;54:S35 (Research Forum abstracts)
Stauffer M (*see* Martens et al). 2009;54:S123 (Research Forum abstracts)
Stead L (*see* Vélez et al). 2009;54:S58 (Research Forum abstracts)
Stead LG (*see* Agarwal et al). 2009;54:S118 (Research Forum abstracts)
Stead LG (*see* Jain et al). 2009;54:S112 (Research Forum abstracts)
Stead LG (*see* Jain et al). 2009;54:S117 (Research Forum abstracts)
Stead LG (*see* Manivannan et al). 2009;54:S113 (Research Forum abstracts)
Stead LG (*see* Manivannan et al). 2009;54:S121 (Research Forum abstracts)
Stead LG (*see* Odufuye et al). 2009;54:S72 (Research Forum abstracts)
Stead LG (*see* Veena et al). 2009;54:S112 (Research Forum abstracts)
Stead LG, Decker WW, Jain AR, Mandrekar J, Brown RD Jr. Circulating levels of pro-inflammatory cytokines after acute ischemic stroke as markers of stroke severity. 2009;54:S110 (Research Forum abstracts)
Stead LG, Decker WW, Jain AR, Mandrekar J, Brown RD Jr. Serum interleukin-6 as a marker of functional outcome after acute ischemic stroke. 2009;54:S110 (Research Forum abstracts)
Stead LG, Huston J III, Bhagra A, Decker WW, Jain AR, Mandrekar J, Brown RD Jr. Association of interleukin 1b and volume of acute ischemic infarct on magnetic resonance imaging. 2009;54:S110 (Research Forum abstracts)
Stead LG, Jain AR, Yerragondu N, Agarwal D, Rabinstein AA, Palamari B, Manivannan V, Dhillon R, Decker WW. Relationship between early blood pressure parameters and intraventricular extension after emergency department presentation for intracranial hemorrhage. 2009;54:S111 (Research Forum abstracts)
Stead LG, Vaidyanathan L. Rhythm control with electrocardioversion for atrial fibrillation and flutter. 2009;54:745–7 (Systematic review abstract)
Steffenhegan A (*see* Rothschild et al). 2009;54:S44 (Research Forum abstracts)
Stein J (*see* River et al). 2009;54:S87 (Research Forum abstracts)
Stein J, George B, River G, Hebig A, McDermott D. Ultrasonographically guided peripheral intravenous cannulation in emergency department patients with difficult intravenous access: a randomized trial. 2009;54:33–40
Stein JC, Wang R, Adler N, Goldstein R, McAlpine I, Won G, Jacoby V, Kohn M. Evaluation of ectopic pregnancy with bedside ultrasound by emergency physicians: a meta-analysis. 2009;54:S69 (Research Forum abstracts)
Stempien M (*see* Vaillancourt et al). 2009;54:663–71
Steuerwald M (*see* Kline et al). 2009;54:41–8
Stewart CE (*see* Starr et al). 2009;54:S35 (Research Forum abstracts)
Stiell IG (*see* Spaite et al). 2009;54:248–55
Stiell IG (*see* Vaillancourt et al). 2009;54:663–71
Stiell IG (*see* Yarema et al). 2009;54:606–14
Stiffler KA, Wilber ST, Blanda M, Nielson J, Winot S, Kline J. Satisfaction of emergency department hallway patients. 2009;54:S5 (Research Forum abstracts)
Stoeber J (*see* Bloch et al). 2009;54:S102 (Research Forum abstracts)
Stokes A (*see* McNally et al). 2009;54:674–83 (Concepts)
Stoltzfus J (*see* Mersky et al). 2009;54:S94 (Research Forum abstracts)
Stone CK (*see* Richerson et al). 2009;54:S4 (Research Forum abstracts)
Stone JR. Trauma surgery crisis. 2009;54:478–9 (Correspondence)
Stone MB (*see* Blackstock and Stone). 2009;54:53–5 (Residents' perspective)
Storrow A (*see* Bryce et al). 2009;54:S80 (Research Forum abstracts)
Storrow A (*see* McNaughton et al). 2009;54:214–20
Storrow AB (*see* Barrett et al). 2009;54:S1 (Research Forum abstracts)
Strate L (*see* Groke et al). 2009;54:S10 (Research Forum abstracts)
Strehlow MC (*see* Delgado et al). 2009;54:S20 (Research Forum abstracts)
Strehlow MC (*see* Mahadevan et al). 2009;54:S80 (Research Forum abstracts)
Strode C (*see* Hile et al). 2009;54:S57 (Research Forum abstracts)
Strote J, Hutson HR. Conducted electrical weapon injuries must be more broadly considered. 2009;54:310–1 (Correspondence)
Strote S (*see* Sen et al). 2009;54:S66 (Research Forum abstracts)
Stroud S (*see* Groke et al). 2009;54:S10 (Research Forum abstracts)
Strout TD (*see* Bloch et al). 2009;54:S13 (Research Forum abstracts)
Strout TD (*see* Cochran et al). 2009;54:S31 (Research Forum abstracts)
Strout TD (*see* Ferre et al). 2009;54:432–9
Strout TD (*see* Little et al). 2009;54:S108 (Research Forum abstracts)
Strout TD, Baumann MR. Content validity testing for the Agitation Severity Scale: development of a measure for use with acute presentation behavioral management patients. 2009;54:S45 (Research Forum abstracts)
Stukel TA (*see* Vermeulen et al). 2009;54:794–804
Sturges Smith L (*see* Phelan et al). 2009;54:S19 (Research Forum abstracts)
Sturm D (*see* Felderman et al). 2009;54:S37 (Research Forum abstracts)
Su H-M (*see* Chou et al). 2009;54:757–8 (Correspondence)
Su M, Soohoo D, Lukin M, Patel S, Zhang S, O'Donnell MB, Messina J, Ward M. The C.I.N. study: is contrast-induced nephropathy a problem in high-risk emergency department patients? 2009;54:S79 (Research Forum abstracts)
Su MK (*see* Gupta et al). 2009;54:857 (Correspondence)
Suarez AE (*see* Das et al). 2009;54:S10 (Research Forum abstracts)
Subhan I, Jain A, Joshi M. Asepsis in ultrasound-guided central venous access: a new technique. 2009;54:S100 (Research Forum abstracts)
Suchard J (*see* Mirhadi et al). 2009;54:S27 (Research Forum abstracts)
Suchard JR. Spider bite. 2009;54:8 (Images in Emergency Medicine)
Suchard JR. Unhappy birthday. 2009;54:627 (Change of Shift)
Suffoletto B (*see* Guyette et al). 2009;54:S142 (Research Forum abstracts)
Sullivan A (*see* Talley et al). 2009;54:S102 (Research Forum abstracts)
Sullivan AF (*see* Camargo et al). 2009;54:S86 (Research Forum abstracts)

Sullivan AF (*see* Carr et al). 2009;54:261–9
Sullivan AF (*see* Ginde et al). 2009;54:349–59
Sullivan AF (*see* Ginde et al). 2009;54:S75 (Research Forum abstracts)
Sullivan AF (*see* Handel et al). 2009;54:S51 (Research Forum abstracts)
Sullivan AF (*see* Raja et al). 2009;54:S9 (Research Forum abstracts)
Sullivan AF (*see* Tsai et al). 2009;54:S2 (Research Forum abstracts)
Sullivan AF, Ginde AA, Weiner SG, Pallin DJ, Betz ME, Oldfield JH, Camargo CA Jr. Multicenter study of Internet use by emergency department patients in Boston. 2009;54:S19 (Research Forum abstracts)
Sullivan J (*see* Lagina and Sullivan). 2009;54:S117 (Research Forum abstracts)
Summers RL, Coleman TG. Development of a technology for the estimation of $ScVO_2$ in individual patients. 2009;54:S109 (Research Forum abstracts)
Summers S, Fox J, Chin E, Patel B, Shahin G. Bedside urinary bladder duplex ultrasonography for the detection of obstructing ureteral calculi in the emergency department. 2009;54:S103 (Research Forum abstracts)
Sun BC (*see* Gabayan et al). 2009;54:S64 (Research Forum abstracts)
Sun BC, Derose SF, Liang L, Gabayan GZ, Hoffman JR, Moore AA, Mower WR, Mangione CM. Predictors of 30-day serious events in older patients with syncope. 2009;54:769–78
Sun M, Sachs C. Strangulation in sexual assault. 2009;54:S134 (Research Forum abstracts)
Sunahara RK (*see* Jutkiewicz et al). 2009;54:409–20
Sunga KL, Bellolio MF, Gilmore RM, Cabrera D. Spontaneous retroperitoneal hematoma: etiology, characteristics, management, and outcome. 2009;54:S31 (Research Forum abstracts)
Suozzi JC, Bolton L, Nowicki TA, Ventriglia R, Donahue S, Robinson KJ. Comparison of the Airtraq® to direct laryngoscopy by flight nurses and respiratory therapists in the simulated airway. 2009;54:S20 (Research Forum abstracts)
Surana A (*see* Chandra et al). 2009;54:S72 (Research Forum abstracts)
Surani S (*see* Berios et al). 2009;54:S35 (Research Forum abstracts)
Susim SS (*see* Borquez et al). 2009;54:S45 (Research Forum abstracts)
Suyama J (*see* Machi et al). 2009;54:S132 (Research Forum abstracts)
Suzuki M, Tatematsu S, Takeshita AS, Hori S. Prognostic significance of an estimated glomerular filtration rate for long-term mortality in patients with syncope. 2009;54:S29 (Research Forum abstracts)
Sweeney T (*see* Farley et al). 2009;54:S96 (Research Forum abstracts)
Sweis R (*see* Tekwani et al). 2009;54:S4 (Research Forum abstracts)
Swickhamer C, Colvig C, Chan SB. Restraint use in the elderly emergency department patient. 2009;54:S82 (Research Forum abstracts)
Swor R (*see* Lipe et al). 2009;54:S57 (Research Forum abstracts)
Swor R (*see* Wiederhold et al). 2009;54:S59 (Research Forum abstracts)
Swor R, Robinson D, Clark C, Berman A, Roe E. Hospital processes, not EMS transport times, are crucial predictors of rapid reperfusion for ST segment myocardial infarction patients. 2009;54:S63 (Research Forum abstracts)

T

Ta AK (*see* Cienki et al). 2009;54:S29 (Research Forum abstracts)
Tabakakis K (*see* Larkin et al). 2009;54:S127 (Research Forum abstracts)
Tadevosyan M (*see* Lynch et al). 2009;54:S40 (Research Forum abstracts)
Tadros A, Shaver E, Davis S. Hospitalizations of older human immunodeficiency virus patients in the United States from 2000–2006. 2009;54:S80 (Research Forum abstracts)
Taira BR (*see* Lim et al). 2009;54:S98 (Research Forum abstracts)
Taira BR (*see* Singer et al). 2009;54:S49 (Research Forum abstracts)
Taira BR, Singer AJ, Cassara G, Salama M, Rodriguez R, Sandoval S. Establishment of a prospective burn registry. 2009;54:S26 (Research Forum abstracts)
Takahashi I (*see* Shimizu et al). 2009;54:S94 (Research Forum abstracts)
Takakuwa KM, Estepa AT, Halpern EJ. The "triple rule-out" 64-section coronary computed tomographic angiography protocol: coronary and extra-coronary findings of emergency department patients. 2009;54:S13 (Research Forum abstracts)
Takemoto M (*see* Ode et al). 2009;54:S119 (Research Forum abstracts)
Takeshita AS (*see* Suzuki et al). 2009;54:S29 (Research Forum abstracts)
Takhar SS (*see* Karaelias and Takhar). 2009;54:85 (CDC Update)
Talley B, Ginde A, Raja A, Sullivan A, Camargo C Jr. Access to immediate bedside ultrasound in the emergency department. 2009;54:S102 (Research Forum abstracts)
Talley BE (*see* Ginde et al). 2009;54:S75 (Research Forum abstracts)
Tallman T (*see* Mace et al). 2009;54:S52 (Research Forum abstracts); 54:S53 (Research Forum abstracts)
Talmage C (*see* Richardson et al). 2009;54:S44 (Research Forum abstracts)
Tanabe P, Hafner JW, Courtney DM, Martinovich Z, Zvirbulis E, Artz N. The emergency department pain experience for adults with sickle cell disease. 2009;54:S14 (Research Forum abstracts)
Tanabe P, Lyons JS, Reddin CJ, Thornton VL, Wun T, Todd KH. A qualitative study assessing the information needed to manage adults in the emergency department with sickle cell disease. 2009;54:S14 (Research Forum abstracts)
Tanaka E (*see* Imamura et al). 2009;54:S38 (Research Forum abstracts)
Tanaka H (*see* Ode et al). 2009;54:S119 (Research Forum abstracts)
Tanen DA (*see* Clark et al). 2009;54:309–10 (Correspondence)
Tanno K (*see* Mori et al). 2009;54:S23 (Research Forum abstracts)
Tarwater P (*see* Watts and Tarwater). 2009;54:S64 (Research Forum abstracts)
Tatachar P (*see* Kondamudi et al). 2009;54:S132 (Research Forum abstracts)
Tatematsu S (*see* Suzuki et al). 2009;54:S29 (Research Forum abstracts)
Tebb ZD, Browne V. Man with painful neck swelling. 2009;54:e18–e19 (Images in Emergency Medicine)
Teismann NA, Cheung PT, Frazee B. Is the ordering of imaging for suspected venous thromboembolism consistent with D-dimer result? 2009;54:442–6 (Brief research report)
Tekwani K, Watts H, Sweis R, Rzechula K, Kulstad E. The effect of etomidate on hospital length of stay of patients with sepsis: a prospective, randomized study. 2009;54:S4 (Research Forum abstracts)
Temin E (*see* Schuur et al). 2009;54:S6 (Research Forum abstracts)
Ten Eyck RP, Tews M, Ballester JM. Improved medical student satisfaction and test performance with a simulation-based emergency medicine curriculum: a randomized controlled trial. 2009;54:684–91
Terwiesch C (*see* Pines et al). 2009;54:S75 (Research Forum abstracts)
Tetroe J (*see* Graham et al). 2009;54:313–4 (Correspondence)
Tews M (*see* Ten Eyck et al). 2009;54:684–91
Tez M (*see* Dizen et al). 2009;54:134–5 (Correspondence)
Thallner E (*see* Mace et al). 2009;54:S52 (Research Forum abstracts)
Thallner E (*see* Mace et al). 2009;54:S53 (Research Forum abstracts)
Theodoro D (*see* Dziuba et al). 2009;54:S135 (Research Forum abstracts)
Theodoro D (*see* Lewis et al). 2009;54:S50 (Research Forum abstracts)
Theodosis C (*see* Ahn et al). 2009;54:S10 (Research Forum abstracts)
Thode HC Jr (*see* Garra et al). 2009;54:S43 (Research Forum abstracts)
Thode HC Jr (*see* Singer et al). 2009;54:S134 (Research Forum abstracts)
Thode HC Jr (*see* Viccellio et al). 2009;54:487–91
Thode HC Jr (*see* Wilkie et al). 2009;54:S134 (Research Forum abstracts)
Thode HC Jr (*see* Zito et al). 2009;54:S7 (Research Forum abstracts)
Thode HC Jr, Garra G. The pediatric experience in the emergency department, 2000–2006. 2009;54:S15 (Research Forum abstracts)
Thoma TG (*see* Heller and Thoma). 2009;54:859 (Correspondence)
Thomas J (*see* Liu et al). 2009;54:S66 (Research Forum abstracts)
Thomas J (*see* Okafor et al). 2009;54:S136 (Research Forum abstracts)
Thomas KB (*see* Kiefer et al). 2009;54:S9 (Research Forum abstracts)
Thomas LE, Goldstein JN, Hakimelahi R, Gonzalez RG. Should this stroke patient be transferred? Computed tomographic angiography predicts use of tertiary interventional services. 2009;54:S70 (Research Forum abstracts)
Thomas S (*see* Patel et al). 2009;54:S60 (Research Forum abstracts)
Thomas SH (*see* Levine et al). 2009;54:S114 (Research Forum abstracts)
Thomas SH (*see* Liu et al). 2009;54:381–5 (Brief Research Report)

Thomas SH (*see* Shear et al). 2009;54:S128 (Research Forum abstracts)
Thomas SH (*see* Starr et al). 2009;54:S35 (Research Forum abstracts)
Thomas SH (*see* Tollefsen et al). 2009;54:S17 (Research Forum abstracts)
Thompson K, Laack N, Kofler J, Bellolio M, Sawyer M, Laack T. Ionizing radiation from computed tomography during evaluation of intermediate-risk trauma patients. 2009;54:S12 (Research Forum abstracts)
Thompson M (*see* Yarema et al). 2009;54:606–14
Thornton VL (*see* Tanabe et al). 2009;54:S14 (Research Forum abstracts)
Thumalapalli M (*see* Kondamudi et al). 2009;54: S91 (Research Forum abstracts)
Tibbles C (*see* Schuur et al). 2009;54:S6 (Research Forum abstracts)
Tivnan E (*see* Mostofi et al). 2009;54:S52 (Research Forum abstracts)
Todd KH (*see* Sandoval et al). 2009;54:S127 (Research Forum abstracts)
Todd KH (*see* Tanabe et al). 2009;54:S14 (Research Forum abstracts)
Tollefsen WW, Chapman J, Frakes M, Gallagher M, Shear M, Thomas SH. Endotracheal tube cuff pressures in pediatric patients intubated prior to aeromedical transport. 2009;54:S17 (Research Forum abstracts)
Toma G, Triner W, McNutt L-A. Patient satisfaction as a function of emergency department previsit expectations. 2009;54: 360–7
Tomassi MP. Emergency medicine. 2009;54:315 (Book and Media Reviews)
Tomassoni AJ (*see* Dart et al). 2009;54:386–94 (Concepts)
Tomaszewski C (*see* Clark et al). 2009;54:309–10 (Correspondence)
Toofan M, Bhakta N, Greenberg R, Rush C, Kjar D, Drigalla D. Endotracheal intubation success in an ambulance by emergency medical out-of-hospital personnel using direct and Glidescope® laryngoscopes. 2009;54:S63 (Research Forum abstracts)
Torbati S, Katz D, Silka P, Younessi S. Comparison of blunt *versus* sharp spinal needles used in the emergency department in rates of post-lumbar puncture headache. 2009; 54:S73 (Research Forum abstracts)
Torgovicky R (*see* Drescher et al). 2009;54:S128 (Research Forum abstracts)
Toulson K (*see* Bauman et al). 2009;54:S87 (Research Forum abstracts)
Tracey K (*see* Wang et al). 2009;54:S99 (Research Forum abstracts)
Tracy M (*see* Bohnert et al). 2009;54:618–24
Travers A (*see* Nichol et al). 2009;54:226–35
Travers A (*see* Vaillancourt et al). 2009;54:663–71
Trent SA (*see* Ginde et al). 2009;54:S75 (Research Forum abstracts)
Treston G (*see* Green et al). 2009;54:158–68; 54:171–80
Triamarit P (*see* Shoenberger et al). 2009;54:S141 (Research Forum abstracts)
Triamarit P (*see* Urdang et al). 2009;54:S141 (Research Forum abstracts)
Trichur RV (*see* Banala et al). 2009;54:S41 (Research Forum abstracts)
Trichur RV (*see* Cattamanchi et al). 2009;54:S129 (Research Forum abstracts); 54:S130 (Research Forum abstracts)
Triner W (*see* Toma et al). 2009;54:360–7
Trowbridge R (*see* Bradley et al). 2009;54:S135 (Research Forum abstracts)
Truong T (*see* Nelson et al). 2009;54:S34 (Research Forum abstracts)
Tsai C, Magid DJ, Sullivan AF, Gordon JA, Kaushal R, Blumenthal D, Camargo CA Jr. Quality of care for acute myocardial infarction in 58 US emergency departments. 2009;54:S2 (Research Forum abstracts)
Tubridy C (*see* Zehtabchi and Tubridy). 2009;54: 128–31 (Systematic review abstract)
Turner-Lawrence DE, Peebles M, Price MF, Singh SJ, Asimos AW. A feasibility study of the sensitivity of emergency physician dysphagia screening in acute stroke patients. 2009;54: 344–8 (Brief research report)
Turner P (*see* Castillo et al). 2009;54:S78 (Research Forum abstracts)
Tyberg J (*see* Yarema et al). 2009;54:606–14
Tyer-Viola L (*see* Kimberly et al). 2009;54:S87 (Research Forum abstracts)

U

Uchida Y (*see* Umezawa et al). 2009;54:S80 (Research Forum abstracts)
Uemura S (*see* Maekawa et al). 2009;54:S93 (Research Forum abstracts)
Uemura S (*see* Mori et al). 2009;54:S23 (Research Forum abstracts)
Umezawa K, Branch J, Yamagami H, Ofuchi H, Ohta B, Uchida Y, Kitahara H. The outcome of out-of-hospital cardiopulmonary arrest in the over 85-year-old Japanese population taken to the emergency department. 2009;54:S80 (Research Forum abstracts)
Upadhye S. Corticosteroids for acute bacterial meningitis. 2009;54:137–8 (Correspondence reply)
Urbina A (*see* Egan et al). 2009;54:S105 (Research Forum abstracts)
Urdang MS (*see* Shoenberger et al). 2009;54:S141 (Research Forum abstracts)
Urdang MS, Shoenberger JM, Triamarit P, Hollinger M, Mallon WK. ECG analysis in accidental urban hypothermia. 2009;54:S141 (Research Forum abstracts)

V

Vaca F. Commentary. 2009;54:295–7 (NHTSA Notes)
Vadeboncoeur TF (*see* Bobrow et al). 2009;54: 656–62
Vadeboncoeur TF (*see* Spaite et al). 2009;54:248–55
Vadera R, Sherbino J. Do opioids affect the clinical evaluation of patients with acute abdominal pain? 2009;54:126–7 (Rational clinical examination abstract)
Vaidyanathan L (*see* Stead and Vaidyanathan). 2009;54:745–7 (Systematic review abstract)
Vaillancourt C, Stiell IG, Beaudoin T, Maloney J, Anton AR, Bradford P, Cain E, Travers A, Stempien M, Lees M, Munkley D, Battram E, Banek J, Wells GA. The out-of-hospital validation of the Canadian C-Spine Rule by paramedics. 2009;54:663–71
Valdez L (*see* Rivas et al). 2009;54:S139 (Research Forum abstracts)
Valenzuela R (*see* Scott et al). 2009;54:S48 (Research Forum abstracts)
Van de Velde S, Heselmans A, Roex A, Vandekerckhove P, Ramaekers D, Aertgeerts B. Effectiveness of nonresuscitative first aid training in laypersons: a systematic review. 2009;54:447–57 (Critically appraised topic)
van Gorp F, Whyte IM, Isbister GK. Clinical and ECG effects of escitalopram overdose. 2009; 54:404–8 (Brief research report)
Van Roo J, Malik S, Wang EE, Aldeen AA, Courtney DM. The EMCAPs training method for procedural competency among emergency medicine residents. 2009;54:S144 (Research Forum abstracts)
Van Tonder R (*see* Beatty et al). 2009;54:S22 (Research Forum abstracts)
van Tonder RJ, Beatty NC, Bellolio MF, Colletti JE. Spontaneous pneumomediastinum in children: a 10-year experience. 2009;54:S17 (Research Forum abstracts)
Vandekerckhove P (*see* Van de Velde et al). 2009; 54:447–57 (Critically appraised topic)
Vanden Hoek T (*see* Das et al). 2009;54:S28 (Research Forum abstracts)
VandenBerg SL (*see* Raja et al). 2009;54:S123 (Research Forum abstracts)
Vanderbeek P (*see* Levitan et al). 2009;54:636–7 (Correspondence)
VanDillen C (*see* Wu et al). 2009;54:S67 (Research Forum abstracts)
Varney S (*see* Dart et al). 2009;54:386–94 (Concepts)
Veena M, Jain A, Bellolio M, Dhillon RK, Yerragondu N, Palamari B, Gilmore RM, Decker WW, Stead LG. The Mayo Intra-Cerebral Hemorrhage score: evaluating patients with non-traumatic intra-cerebral hemorrhage. 2009;54:S112 (Research Forum abstracts)
Velasco W (*see* Scott et al). 2009;54:S48 (Research Forum abstracts)
Vélez I, Bellolio MF, González JA, Decker W, Stead L, Serrano LA. Value of head CT in syncope patients in the emergency department. 2009;54:S58 (Research Forum abstracts)
Velez LI (*see* Black et al). 2009;54:S77 (Research Forum abstracts)
Venkat A, Pastin RB, Hegde GG, Shea JM, Cook JT, Culig C. An analysis of emergency department utilization by intellectually disabled adults. 2009;54:S32 (Research Forum abstracts)
Venkatesh A (*see* Schuur et al). 2009;54:S75 (Research Forum abstracts)
Venkatesh A, Pallin D, Crim H, Pandya D, Rosborough S, Villarreal R, Schuur J. Environmental predictors of hand hygiene compliance in the emergency department. 2009;54:S76 (Research Forum abstracts)
Ventriglia R (*see* Suozzi et al). 2009;54:S20 (Research Forum abstracts)
Verma M (*see* Schroeder et al). 2009;54:S49 (Research Forum abstracts)
Vermeulen MJ, Ray JG, Bell C, Cayen B, Stukel TA, Schull MJ. Disequilibrium between admitted and discharged hospitalized patients affects emergency department length of stay. 2009;54:794–804
Vetterick D (*see* Dickson et al). 2009;54:504–10

Veysman BD, Carluccio A, Ohman-Strickland P, Arya R, Ostro B, Merlin MA. Cephalgia in emergency department responds to oxygen decreasing time to relief, length of stay, computed tomography utilization, and need for pharmacotherapy. 2009;54:S71 (Research Forum abstracts)
Viccellio A, Santora C, Singer AJ, Thode HC Jr, Henry MC. The association between transfer of emergency department boarders to inpatient hallways and mortality: a 4-year experience. 2009;54:487–91
Viccellio AW (*see* Singer et al). 2009;54:S134 (Research Forum abstracts)
Viccellio P (*see* Zito et al). 2009;54:S44 (Research Forum abstracts)
Vieth TL (*see* Rhodes et al). 2009;54:272–8
Vieth TL, Lona N, Agha J, Walsh P. Pacifier use for SIDS prevention: extent of caregiver awareness and an educational intervention. 2009;54:S131 (Research Forum abstracts)
Vilke GM (*see* Castillo et al). 2009;54:S78 (Research Forum abstracts)
Vilke GM (*see* Chan et al). 2009;54:279–84 (Brief research report)
Vilke GM (*see* Chan et al). 2009;54:S97 (Research Forum abstracts)
Vilke GM (*see* Lev et al). 2009;54:S86 (Research Forum abstracts)
Vilke GM, Robertson NB, Castillo EM, Killeen JP, Chan TC. Erythrocyte sedimentation rate compared to C-reactive protein as a screening marker of inflammation in the emergency department. 2009;54:S120 (Research Forum abstracts)
Villani J (*see* Chandra et al). 2009;54:S74 (Research Forum abstracts); 54:S133 (Research Forum abstracts)
Villanueva Rodriguez S (*see* Molins et al). 2009;54:S135 (Research Forum abstracts)
Villarreal R (*see* Schuur et al). 2009;54:S75 (Research Forum abstracts)
Villarreal R (*see* Venkatesh et al). 2009;54:S76 (Research Forum abstracts)
VinZant E (*see* Kondamudi et al). 2009;54:S132 (Research Forum abstracts)
Virk PS, Berkeley RP, King J, Saripella S, Abrahamian FM, Slattery DE. Vancomycin minimum inhibitory concentration values >1.0 μg/mL do not predict a worse clinical outcome in non-ICU, adult, methicillin-resistant Staphylococcus aureus-positive patients. 2009;54:S39 (Research Forum abstracts)
Vishwanath A (*see* Arora et al). 2009;54:S136 (Research Forum abstracts)
Vogelheim C (*see* Albert et al). 2009;54:S133 (Research Forum abstracts)

W

Waldron R, Finalle C, Mogelof D. Refusals of medical aid in the out-of-hospital setting. 2009;54:S60 (Research Forum abstracts)
Walker TN, Ghory HZ, Guzman B, Greenwald P, Perera P. OB/GYN emergencies in the emergency department: ovarian torsion. 2009;54:S120 (Research Forum abstracts)
Wall JJ, Hiestand BC. Epidemiology of advance directives in extended care facility patients presenting to the emergency department. 2009;54:S47 (Research Forum abstracts)
Wallenstein JN. A powerful handwritten note. 2009;54:299–300 (Change of Shift)
Walsh B (*see* Campo et al). 2009;54:S48 (Research Forum abstracts)
Walsh B (*see* Felderman et al). 2009;54:S36 (Research Forum abstracts); 54:S37 (Research Forum abstracts)
Walsh P (*see* Vieth et al). 2009;54:S131 (Research Forum abstracts)
Walters J (*see* Irvin et al). 2009;54:S77 (Research Forum abstracts)
Walterscheid JK (*see* Mader et al). 2009;54:S140 (Research Forum abstracts)
Walton P (*see* Lyon et al). 2009;54:S100 (Research Forum abstracts)
Walz M (*see* Ly et al). 2009;54:S22 (Research Forum abstracts)
Wan M (*see* Ladde et al). 2009;54:S42 (Research Forum abstracts)
Wang EE (*see* Van Roo et al). 2009;54:S144 (Research Forum abstracts)
Wang H (*see* Das et al). 2009;54:S28 (Research Forum abstracts)
Wang H (*see* Phelan et al). 2009;54:S56 (Research Forum abstracts)
Wang H, Lam L, Li W, Ashok M, Zhu S, Ward MF, Li J, Yang H, Tracey K, Sama A. Fetuin protects mice against lethal sepsis by modulating bacterial endotoxin-induced HMGB1 release and autophagy. 2009;54:S99 (Research Forum abstracts)
Wang HE (*see* Wong et al). 2009;54:S24 (Research Forum abstracts)
Wang HE, Simeone SJ, Weaver MD, Callaway CW. Interruptions in cardiopulmonary resuscitation from paramedic endotracheal intubation. 2009;54:645–52
Wang L, Lei D-L, He L-S, Liu Y-P, Long Y, Cao J, Cao M, Wei J-H, Zhao Y-M. The association between roofing material and head injuries during the 2008 Wenchuan earthquake in China. 2009;54:e10–e15 (Brief research report)
Wang N (*see* Delgado et al). 2009;54:S20 (Research Forum abstracts)
Wang R (*see* Stein et al). 2009;54:S69 (Research Forum abstracts)
Wang Y (*see* Smith et al). 2009;54:S129 (Research Forum abstracts)
Warabi R (*see* Mori et al). 2009;54:S23 (Research Forum abstracts)
Ward E (*see* Shah et al). 2009;54:S54 (Research Forum abstracts)
Ward JA (*see* De Lorenzo et al). 2009;54:S99 (Research Forum abstracts)
Ward JA (*see* Rubal et al). 2009;54:S99 (Research Forum abstracts)
Ward M (*see* Su et al). 2009;54:S79 (Research Forum abstracts)
Ward MF (*see* Barata et al). 2009;54:S131 (Research Forum abstracts)
Ward MF (*see* D'Amore et al). 2009;54:S143 (Research Forum abstracts)
Ward MF (*see* O'Donnell et al). 2009;54:S136 (Research Forum abstracts)
Ward MF (*see* Wang et al). 2009;54:S99 (Research Forum abstracts)
Warholak-Jackson T (*see* Patanwala et al). 2009;54:S44 (Research Forum abstracts)
Warren O. In reply. 2009;54:482–83 (Correspondence reply)
Waseem M (*see* Baquero et al). 2009;54:S18 (Research Forum abstracts)
Waseem M, Ayanruoh S, Humphrey A, Reynolds T. Impact of rapid streptococcal test on antibiotic use in a pediatric emergency department. 2009;54:S41 (Research Forum abstracts)
Waseem M, Paudel G, Sharma N. How reliable is urinalysis to predict urinary tract infections? 2009;54:S3 (Research Forum abstracts)
Waseem M. Psychiatric clearance in the pediatric emergency department. 2009;54:S46 (Research Forum abstracts)
Wasielewski JN (*see* Ferre et al). 2009;54:432–9
Wathen JE (*see* Green et al). 2009;54:158–68; 54:171–80
Watts H (*see* Tekwani et al). 2009;54:S4 (Research Forum abstracts)
Watts S, Tarwater P. Determinants of health care access on the U.S.-Mexico border. 2009;54:S64 (Research Forum abstracts)
Waugh EB (*see* Nickson et al). 2009;54:395–403
Wears RL. Lost in translation: just lost or beginning to find our way? 2009;54:314 (Correspondence reply)
Wears RL (*see* McIntosh et al). 2009;54:585–92
Wears RL (*see* Murphy and Wears). 2009;54:379–80 (Editorial)
Weaver K (*see* Boucher et al). 2009;54:S113 (Research Forum abstracts)
Weaver K (*see* Faccio et al). 2009;54:S124 (Research Forum abstracts)
Weaver MD (*see* Wang et al). 2009;54:645–52
Weber D, Shaw S, Winslow J. Traumatic eye swelling. 2009;54:635 (Images in Emergency Medicine)
Weber EJ. Travel or traffic: either way, emergency service may be delayed. 2009;54:270–1 (Editorial)
Webster BW (*see* Seftchick et al). 2009;54:763–8
Wegner J (*see* O'Neil et al). 2009;54:S116 (Research Forum abstracts)
Wei J-H (*see* Wang et al). 2009;54:e10–e15 (Brief research report)
Weichenthal LA, Andrews J, Rubio S. The treatment of motion sickness in the out-of-hospital setting: a comparison of metoclopramide and diphenhydramine to placebo. 2009;54:S36 (Research Forum abstracts)
Weiner S (*see* Mostofi et al). 2009;54:S52 (Research Forum abstracts)
Weiner S (*see* Smulowitz et al). 2009;54:S84 (Research Forum abstracts)
Weiner SG (*see* Sullivan et al). 2009;54:S19 (Research Forum abstracts)
Weiner SG (*see* Wu et al). 2009;54:S36 (Research Forum abstracts)
Weingart S (*see* Hermann et al). 2009;54:S8 (Research Forum abstracts)
Weingart SD (*see* Hermann et al). 2009;54:12–6 (Brief research report)
Weingart SD (*see* Nazarian et al). 2009;54:704–31 (Clinical policy)
Weinstein J, Burton J, Katz B. Patient outcomes and resource utilization for emergency department patients with suspected pulmonary embolism and initial chest computed tomography angiography studies deemed suboptimal for interpretation. 2009;54:S23 (Research Forum abstracts)
Weintraub W (*see* Farley et al). 2009;54:S52 (Research Forum abstracts)
Weisfeldt M (*see* Nichol et al). 2009;54:226–35
Weisman SJ (*see* Drendel et al). 2009;54:553–60

Weiss M (*see* Green et al). 2009;54:158–68; 54: 171–80
Weissman J (*see* Liu et al). 2009;54:S66 (Research Forum abstracts)
Weissman JS (*see* Liu et al). 2009;54:381–5 (Brief research report)
Wells GA (*see* Spaite et al). 2009;54:248–55
Wells GA (*see* Vaillancourt et al). 2009;54:663–71
Wells HJ, Baumann MR, Higgins GL III. Implementing an electronic point-of-care medical record at an organized athletic event: challenges, pitfalls and lessons learned. 2009; 54:S122 (Research Forum abstracts)
West AM (*see* Delgado et al). 2009;54:S20 (Research Forum abstracts)
Westgaard BC (*see* Miner et al). 2009;54:S46 (Research Forum abstracts)
Wharam JF (*see* Smulowitz et al). 2009;54:S84 (Research Forum abstracts)
White BA, Brown DF, Sinclair J, Chang Y, Carignan S, McIntyre JA, Biddinger PD. Supplemented triage and rapid treatment in the emergency department. 2009;54:S74 (Research Forum abstracts)
White DAE, Scribner AN, Schulden JD, Branson BM, Heffelfinger JD. Results of a rapid HIV screening and diagnostic testing program in an urban emergency department. 2009;54:56–64
White RD (*see* Eisenberg and White). 2009;54: 258–60 (Editorial)
Whitney D (*see* McGrath et al). 2009;54:S37 (Research Forum abstracts)
Whyte IM (*see* van Gorp et al). 2009;54:404–8 (Brief research report)
Wickline D (*see* Phelan et al). 2009;54:S19 (Research Forum abstracts)
Wickremasinghe AC (*see* Dhillon et al). 2009;54: S92 (Research Forum abstracts)
Wiechmann W (*see* Menchine and Wiechmann). 2009;54:S57 (Research Forum abstracts)
Wiederhold H, Swor R, Robinson D, Clark CL. The utility of HbA1C screening in low risk chest pain patients in the emergency department observation unit. 2009;54:S59 (Research Forum abstracts)
Wiener D (*see* Shah et al). 2009;54:S82 (Research Forum abstracts)
Wilber ST (*see* Stiffler et al). 2009;54:S5 (Research Forum abstracts)
Wiler J (*see* Hendry et al). 2009;54:S53 (Research Forum abstracts)
Wilkerson RG, Sinert R. The use of paracentesis in the assessment of the patient with ascites. 2009;54:465–8 (Rational clinical examination abstract)
Wilkie H (*see* Sen et al). 2009;54:S30 (Research Forum abstracts)
Wilkie L, Thode HC Jr, Singer AJ. Physician sex bias in evaluating emergency department patients with chest pain: a pilot study. 2009; 54:S134 (Research Forum abstracts)
Williams A (*see* Gilmer et al). 2009;54:S70 (Research Forum abstracts)
Williams J (*see* Olderog et al). 2009;54:S105 (Research Forum abstracts)
Williams J (*see* Schmitz et al). 2009;54:S104 (Research Forum abstracts)
Williams M (*see* Castillo et al). 2009;54:S78 (Research Forum abstracts)
Wilson D (*see* Leung et al). 2009;54:S115 (Research Forum abstracts)
Wimpfheimer Z (*see* Drescher et al). 2009;54:S128 (Research Forum abstracts)
Winot S (*see* Stiffler et al). 2009;54:S5 (Research Forum abstracts)
Winslow J (*see* Weber et al). 2009;54:635 (Images in Emergency Medicine)
Winslow JE III (*see* Bozeman et al). 2009;54:311–2 (Correspondence reply)
Wise R (*see* Dart et al). 2009;54:386–94 (Concepts)
Wisner DH (*see* Holmes et al). 2009;54:528–33; 2009;54:575–84
Wittick L (*see* Morley et al). 2009;54:S42 (Research Forum abstracts)
Witting MD (*see* Bennett et al). 2009;54:S33 (Research Forum abstracts)
Wojcik SM (*see* Morley et al). 2009;54:S42 (Research Forum abstracts)
Wolfson AB (*see* Seftchick et al). 2009;54:763–8
Won G (*see* Stein et al). 2009;54:S69 (Research Forum abstracts)
Wong E (*see* Ngo et al). 2009;54:S43 (Research Forum abstracts)
Wong E, Ngo A. Airway characteristics of patients with difficult airways. 2009;54:S22 (Research Forum abstracts)
Wong EM, Foo C. Preliminary results of a multidisciplinary falls evaluation program for elderly fallers presenting to the emergency department. 2009;54:S81 (Research Forum abstracts)
Wong ML, Carey S, Mader TJ, Wang HE, The American Heart Association National Registry of Cardiopulmonary Resuscitation Investigators. Time to invasive airway placement and resuscitation outcomes after inhospital cardiopulmonary arrest. 2009;54: S24 (Research Forum abstracts)
Wong S, King R, Molai S, Fleishman J, Commons B, Labat M, Kleinschmidt K. Medication errors occuring in fomepizole administration. 2009;54:S114 (Research Forum abstracts)
Woods JH (*see* Jutkiewicz et al). 2009;54:409–20
Woolridge DP (*see* Kiefer et al). 2009;54:S9 (Research Forum abstracts)
Workman J (*see* Handel et al). 2009;54:S76 (Research Forum abstracts)
Worster A (*see* Milne and Worster). 2009;54:748–50 (Rational clinical examination abstract)
Worster A (*see* Scupaul and Worster). 2009;54: 120–2 (Rational clinical examination abstract)
Wreschner BM, Allegra JR, Eskin B. The percent of total emergency department visits for congestive heart failure declined from 1996 to 2008. 2009;54:S55 (Research Forum abstracts)
Wright RO (*see* McQueen et al). 2009;54:191–7
Wu J (*see* Low et al). 2009;54:S111 (Research Forum abstracts)
Wu JT, Bhatti P, Goetz JD, Weiner SG. Insurance status as a predictor of mode of arrival for patients who present to the emergency department with chest pain. 2009;54:S36 (Research Forum abstracts)
Wu S (*see* Ayvazyan et al). 2009;54:S102 (Research Forum abstracts)
Wu TS, Rosenberg M, Simpson C. Evaluation of quantity-based credentialing: the need for competency metrics. 2009;54:S34 (Research Forum abstracts)
Wu TS, Rosenberg M, VanDillen C, Flach F, Simpson C. Bedside ultrasound evaluation of tendon injuries. 2009;54:S67 (Research Forum abstracts)
Wun T (*see* Tanabe et al). 2009;54:S14 (Research Forum abstracts)
Wylie T (*see* McIntosh et al). 2009;54:585–92
Wynn B (*see* Oostema et al). 2009;54:S27 (Research Forum abstracts)
Wynn B (*see* Rechtin et al). 2009;54:S92 (Research Forum abstracts)

X

Xavier Neath S (*see* Peacock et al). 2009;54:S29 (Research Forum abstracts)
Xiao Y (*see* Sen et al). 2009;54:S96 (Research Forum abstracts); 54:S143 (Research Forum abstracts)
Xu K, Nelson BK, Berk S. The changing profile of patients who used emergency department services in the United States: 1996 to 2005. 2009;54:805–10

Y

Yackel TR (*see* Norton et al). 2009;54:S107 (Research Forum abstracts)
Yamada Y (*see* Ode et al). 2009;54:S119 (Research Forum abstracts)
Yamagami H (*see* Umezawa et al). 2009;54:S80 (Research Forum abstracts)
Yamamoto L (*see* Miyashiro and Yamamoto). 2009;54:S61 (Research Forum abstracts)
Yang A, Liu J, Merlin M. An analysis of emergency department revisit rates based on patient satisfaction scores. 2009;54:S95 (Research Forum abstracts)
Yang H (*see* Wang et al). 2009;54:S99 (Research Forum abstracts)
Yarema MC, Johnson DW, Berlin RJ, Sivilotti MLA, Nettel-Aguirre A, Brant RF, Spyker DA, Bailey B, Chalut D, Lee JS, Plint AC, Purssell RA, Rutledge T, Seviour CA, Stiell IG, Thompson M, Tyberg J, Dart RC, Rumack BH. Comparison of the 20-hour intravenous and 72-hour oral acetylcysteine protocols for the treatment of acute acetaminophen poisoning. 2009;54:606–14
Yarema MC, Johnson DW, Sivilotti ML, Spyker DA, Rumack BH. IV *versus* oral N-acetylcysteine. 2009;54:85? (Correspondence reply)
Yasbin P (*see* Felderman et al). 2009;54:S36 (Research Forum abstracts)
Ybarra MP, Milzman DP. College student alcohol screening and outcome from alcohol-related injury and illness: longitudinal study of campus alcohol problem. 2009;54:S127 (Research Forum abstracts)
Yealy DM (*see* Pines and Yealy). 2009;54:511–3 (Editorial)
Yealy DM, Callaham ML. Testing new ideas: is a picture worth a thousand words? 2009;54:337–8 (Brief commentary)
Yerenas S (*see* Rivas et al). 2009;54:S139 (Research Forum abstracts)
Yerragondu N (*see* Jain et al). 2009;54:S112 (Research Forum abstracts)
Yerragondu N (*see* Manivannan et al). 2009;54: S113 (Research Forum abstracts)
Yerragondu N (*see* Odufuye et al). 2009;54:S72 (Research Forum abstracts)
Yerragondu N (*see* Stead et al). 2009;54:S111 (Research Forum abstracts)
Yerragondu N (*see* Veena et al). 2009;54:S112 (Research Forum abstracts)
Yoon Y (*see* Hermann et al). 2009;54:S8 (Research Forum abstracts)

York J (*see* Handel et al). 2009;54:S95 (Research Forum abstracts)
You Y Jr, Ji sook L Sr. The effect of video demonstration to improve the quality of dispatcher-assisted chest compression-only cardiopulmonary resuscitation amongst middle-age persons. 2009;54:S35 (Research Forum abstracts)
Younessi S (*see* Torbati et al). 2009;54:S73 (Research Forum abstracts)
Young E (*see* Bastani et al). 2009;54:S73 (Research Forum abstracts)
Young R (*see* House et al). 2009;54:S64 (Research Forum abstracts)
Youssef G (*see* Dubin et al). 2009;54:S18 (Research Forum abstracts)
Yun Y (*see* Choi et al). 2009;54:S93 (Research Forum abstracts)

Z

Zaia BE, Shah S, Price D, Nagdev A. Man with left neck pain. 2009;54:133 (Images in Emergency Medicine)
Zalenski RJ (*see* Beemath and Zalenski). 2009;54:103–5 (Editorial)
Zalut T (*see* Drescher et al). 2009;54:S128 (Research Forum abstracts)
Zeger SL (*see* McCarthy et al). 2009;54:492–503
Zeger W (*see* Adhikari et al). 2009;54:S89 (Research Forum abstracts); 54:S103 (Research Forum abstracts)
Zehtabchi S (*see* Nishijima and Zehtabchi). 2009;54:737–44 (Critically appraised topic)
Zehtabchi S, Tubridy C. Resuscitation of hypovolemic emergency department patients: hypertonic or isotonic crystalloids? 2009;54:128–31 (Systematic review abstract)
Zhang S (*see* D'Amore et al). 2009;54:S143 (Research Forum abstracts)
Zhang S (*see* O'Donnell et al). 2009;54:S136 (Research Forum abstracts)
Zhang S (*see* Su et al). 2009;54:S79 (Research Forum abstracts)
Zhao Y-M (*see* Wang et al). 2009;54:e10–e15 (Brief research report)
Zhou C (*see* Hoot et al). 2009;54:514–22
Zhou C (*see* McNaughton et al). 2009;54:214–20
Zhu S (*see* Wang et al). 2009;54:S99 (Research Forum abstracts)
Ziadeh J (*see* Lipe et al). 2009;54:S57 (Research Forum abstracts)
Ziebell C (*see* Abello et al). 2009;54:S97 (Research Forum abstracts)
Zink A (*see* Groke et al). 2009;54:S46 (Research Forum abstracts)
Zirkin W (*see* Hendry et al). 2009;54:S53 (Research Forum abstracts)
Zito JA, Garra G, Thode HC Jr, Singer AJ. Prescription of non-steroid anti-inflammatory drugs in emergency department patients with acute coronary syndrome/myocardial infarction. 2009;54:S7 (Research Forum abstracts)
Zito JA, Viccellio P, Sayage V, Chohan JK, Singer AJ. Patient satisfaction of emergency department boarders with inpatient hallway admission. 2009;54:S44 (Research Forum abstracts)
Zosel A (*see* Dart et al). 2009;54:386–94 (Concepts)
Zucker MI (*see* O'Laughlin et al). 2009;54:S59 (Research Forum abstracts)
Zülfikaroğlu B (*see* Dizen et al). 2009;54:134–5 (Correspondence)
Zupan-Meznar A (*see* Marinsek and Zupan-Meznar). 2009;54:S117 (Research Forum abstracts)
Zvirbulis E (*see* Tanabe et al). 2009;54:S14 (Research Forum abstracts)